

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY032420\
 Data File : VY002043.D
 Acq On : 24 Mar 2020 12:28
 Operator : SY/MD
 Sample : VY0324SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

Quant Time: Mar 24 15:18:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	153915	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	278265	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	251928	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	118780	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	83552	50.85	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.70%	
35) Dibromofluoromethane	7.73	113	78174	51.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.19	98	308402	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.49	95	112882	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.91	85	26551	18.69	ug/l	95
3) Chloromethane	2.12	50	37782	19.72	ug/l	99
4) Vinyl Chloride	2.26	62	38171	19.59	ug/l	91
5) Bromomethane	2.65	94	24591	17.85	ug/l	99
6) Chloroethane	2.80	64	24447	19.97	ug/l	93
7) Trichlorofluoromethane	3.14	101	54434	20.60	ug/l	98
8) Diethyl Ether	3.55	74	23035	22.12	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	36287	21.35	ug/l	99
10) Methyl Iodide	4.10	142	38898	19.79	ug/l	99
11) Tert butyl alcohol	4.98	59	19363	99.66	ug/l	98
12) 1,1-Dichloroethene	3.88	96	36305	21.22	ug/l	92
13) Acrolein	3.74	56	18149	78.60	ug/l	99
14) Allyl chloride	4.49	41	64486	21.26	ug/l	99
15) Acrylonitrile	5.19	53	65814	118.26	ug/l	99
16) Acetone	3.97	43	55121	115.18	ug/l	98
17) Carbon Disulfide	4.21	76	107870	18.75	ug/l	98
18) Methyl Acetate	4.49	43	29383	23.89	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	106385	22.94	ug/l	99
20) Methylene Chloride	4.74	84	45447	22.16	ug/l	98
21) trans-1,2-Dichloroethene	5.24	96	40182	20.69	ug/l	96
22) Diisopropyl ether	6.13	45	137356	22.09	ug/l	98
23) Vinyl Acetate	6.08	43	457457	112.21	ug/l	98
24) 1,1-Dichloroethane	6.04	63	72040	21.39	ug/l	98
25) 2-Butanone	7.00	43	84136	115.60	ug/l	97
26) 2,2-Dichloropropane	7.00	77	59496	21.53	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	46099	21.82	ug/l	99
28) Bromochloromethane	7.35	49	34300	22.60	ug/l	100
29) Tetrahydrofuran	7.36	42	57010	117.96	ug/l	99
30) Chloroform	7.52	83	68698	21.71	ug/l	95
31) Cyclohexane	7.80	56	73240	20.28	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	58164	21.81	ug/l	97
36) 1,1-Dichloropropene	7.93	75	56302	21.03	ug/l	100
37) Ethyl Acetate	7.09	43	36106	23.20	ug/l	99
38) Carbon Tetrachloride	7.91	117	50303	21.99	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	73650	20.74	ug/l	96
40) Benzene	8.17	78	168254	21.20	ug/l	99
41) Methacrylonitrile	7.36	41	49626	70.85	ug/l #	22
42) 1,2-Dichloroethane	8.25	62	45914	22.45	ug/l	100
43) Isopropyl Acetate	8.28	43	68002	23.08	ug/l	99
44) Trichloroethene	8.94	130	40727	21.07	ug/l	98
45) 1,2-Dichloropropane	9.22	63	43238	21.67	ug/l	100
46) Dibromomethane	9.31	93	23422	22.78	ug/l	98
47) Bromodichloromethane	9.50	83	53823	22.50	ug/l	97
48) Methyl methacrylate	9.30	41	29494	22.56	ug/l	95
49) 1,4-Dioxane	9.31	88	6560	465.63	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	178008	117.29	ug/l	100
52) Toluene	10.25	92	102173	21.19	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	58689	22.52	ug/l	94
54) cis-1,3-Dichloropropene	9.94	75	68067	21.94	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	33777	22.45	ug/l	97
56) Ethyl methacrylate	10.52	69	49639	22.51	ug/l	95
57) 1,3-Dichloropropane	10.80	76	60082	22.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	131846	159.35	ug/l	99
59) 2-Hexanone	10.84	43	129847	119.87	ug/l	100
60) Dibromochloromethane	10.99	129	36315	22.90	ug/l	97
61) 1,2-Dibromoethane	11.10	107	32755	22.98	ug/l	100
64) Tetrachloroethene	10.72	164	34534	21.86	ug/l	93
65) Chlorobenzene	11.52	112	106452	21.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36188	21.98	ug/l	98
67) Ethyl Benzene	11.60	91	195888	20.92	ug/l	98
68) m/p-Xylenes	11.70	106	146892	42.44	ug/l	99
69) o-Xylene	12.03	106	71041	21.78	ug/l	97
70) Styrene	12.05	104	119882	21.46	ug/l	100
71) Bromoform	12.21	173	20682	23.17	ug/l #	98
73) Isopropylbenzene	12.33	105	188529	20.79	ug/l	100
74) N-amyl acetate	12.14	43	61978	22.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	43361	22.18	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	56414	40.03	ug/l #	100
77) Bromobenzene	12.61	156	42511	22.13	ug/l	94
78) n-propylbenzene	12.67	91	232189	20.76	ug/l	99
79) 2-Chlorotoluene	12.76	91	128119	20.73	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	156799	21.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	15478	22.18	ug/l	97
82) 4-Chlorotoluene	12.86	91	135742	21.09	ug/l	99
83) tert-Butylbenzene	13.08	119	130443	21.04	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	156960	21.19	ug/l	98
85) sec-Butylbenzene	13.26	105	195171	21.36	ug/l	99
86) p-Isopropyltoluene	13.38	119	170174	21.59	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	80470	21.38	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	81135	21.24	ug/l	98
89) n-Butylbenzene	13.70	91	173429	21.20	ug/l	99
90) Hexachloroethane	13.97	117	31509	21.19	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	74286	21.72	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7054	23.12	ug/l	95

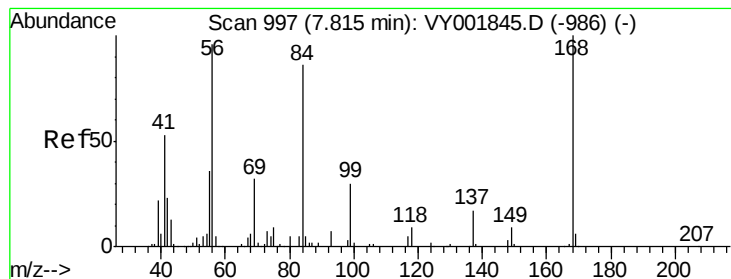
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Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	48510	21.87	ug/l	98
94) Hexachlorobutadiene	15.12	225	23252	21.50	ug/l	97
95) Naphthalene	15.24	128	116983	22.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	43990	22.51	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

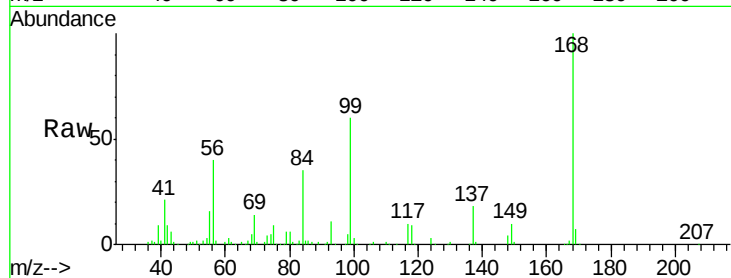
VY0324SBS01

Tgt Ion:168 Resp: 153915

Ion Ratio Lower Upper

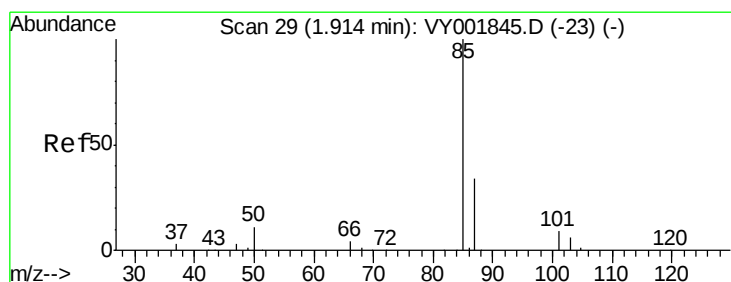
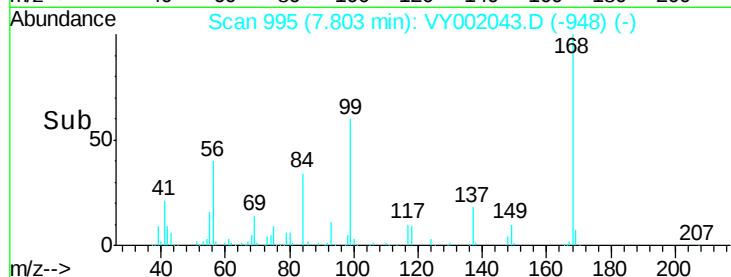
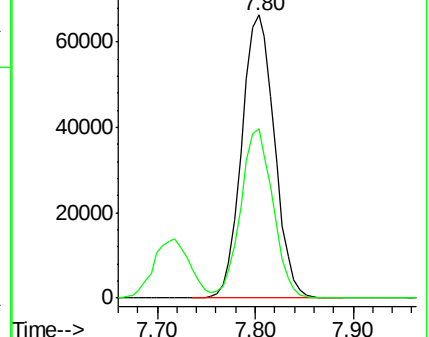
168 100

99 59.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 18.69 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY002043.D

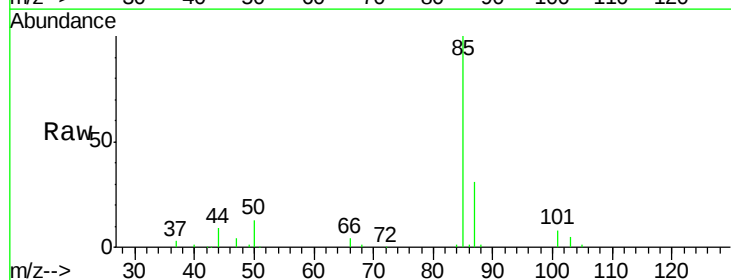
Acq: 24 Mar 2020 12:28

Tgt Ion: 85 Resp: 26551

Ion Ratio Lower Upper

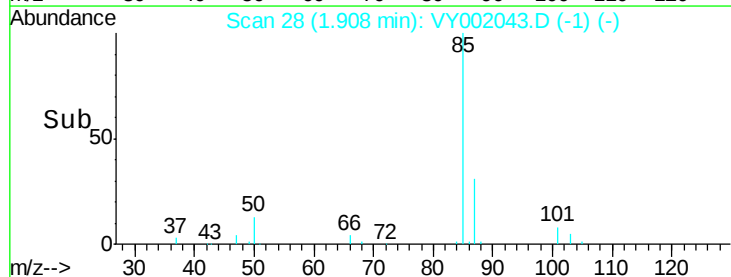
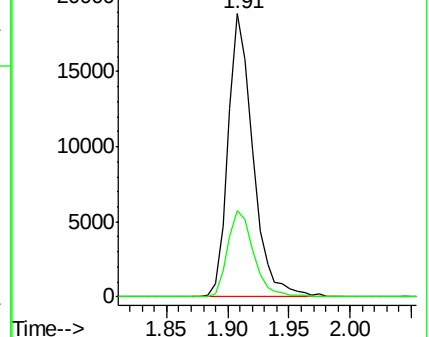
85 100

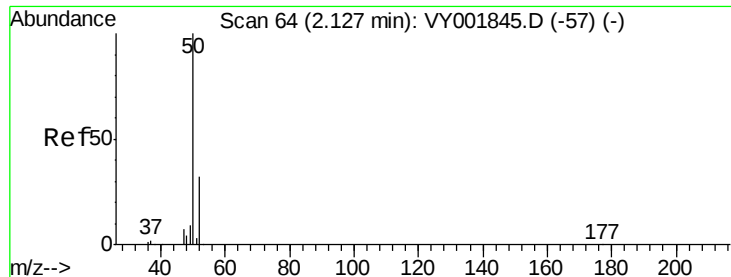
87 30.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)





#3

Chloromethane

Concen: 19.72 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

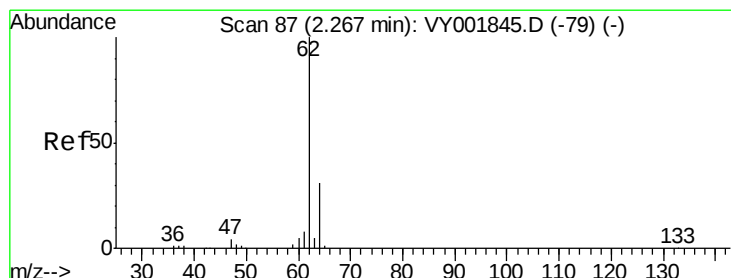
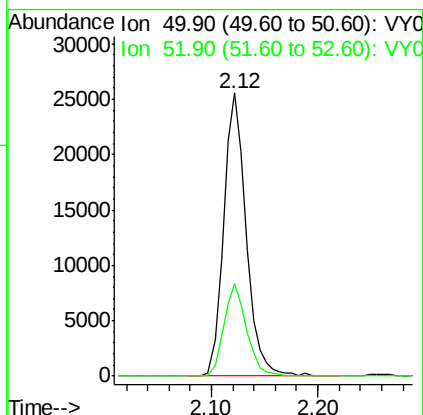
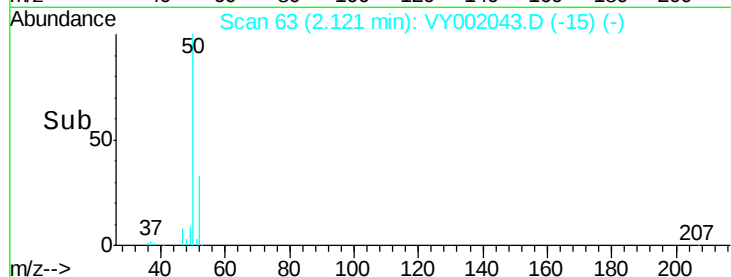
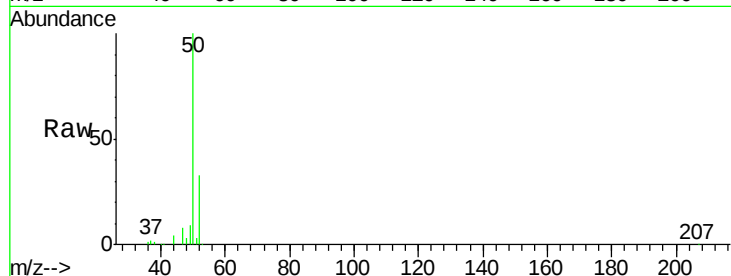
VY0324SBS01

Tgt Ion: 50 Resp: 37782

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 19.59 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002043.D

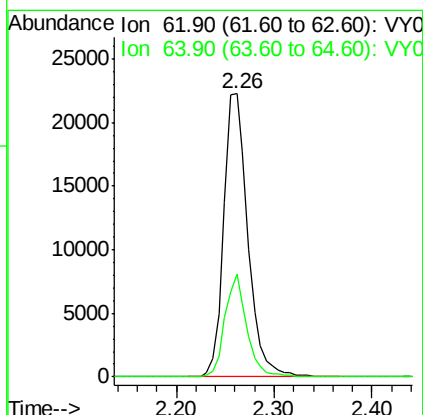
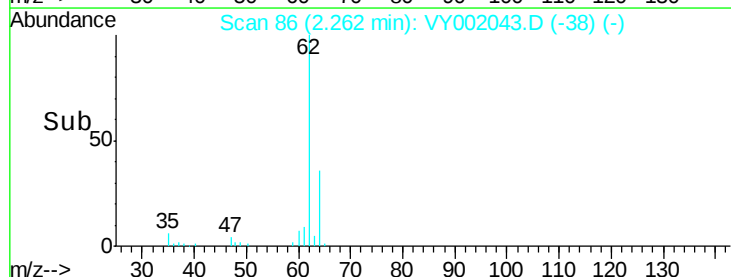
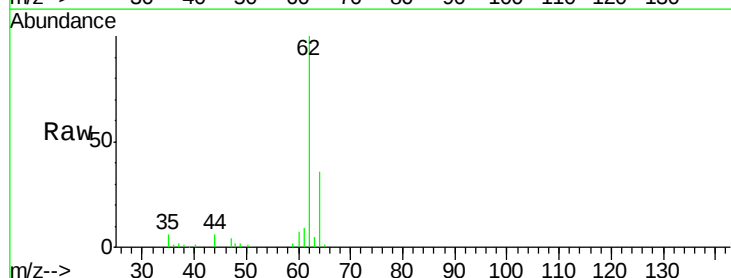
Acq: 24 Mar 2020 12:28

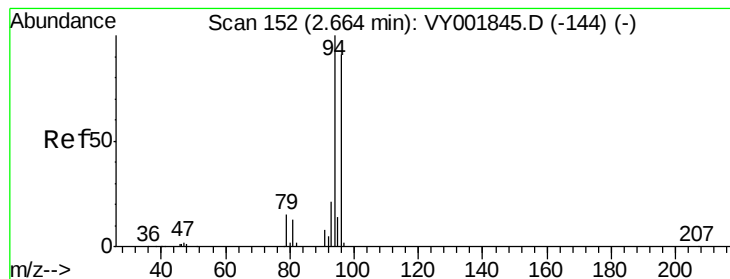
Tgt Ion: 62 Resp: 38171

Ion Ratio Lower Upper

62 100

64 36.2 25.1 37.7





#5

Bromomethane

Concen: 17.85 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

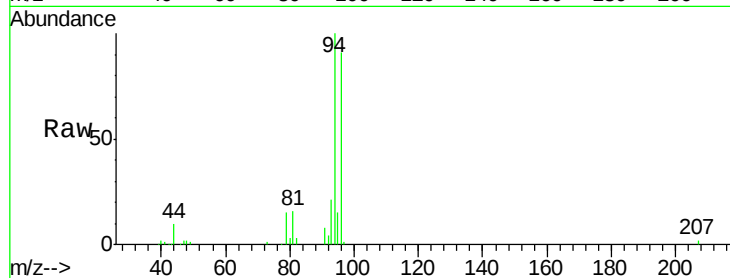
VY0324SBS01

Tgt Ion: 94 Resp: 24591

Ion Ratio Lower Upper

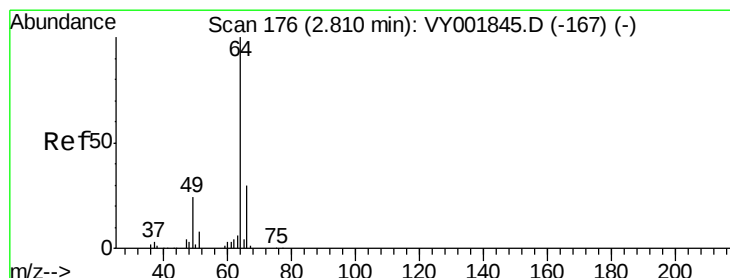
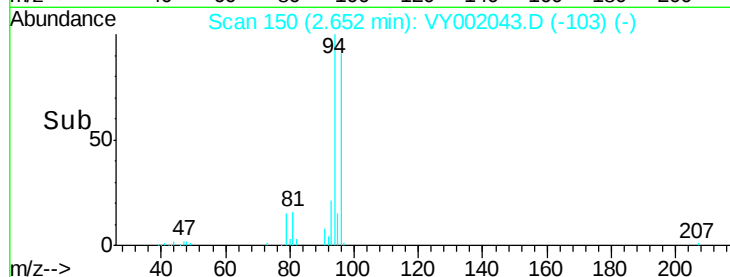
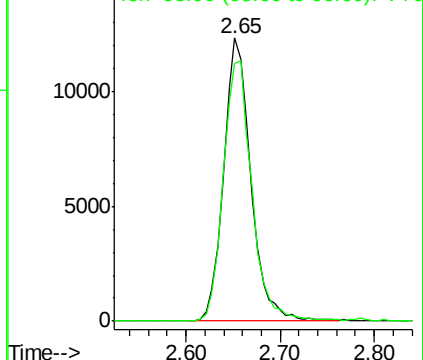
94 100

96 90.9 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 19.97 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002043.D

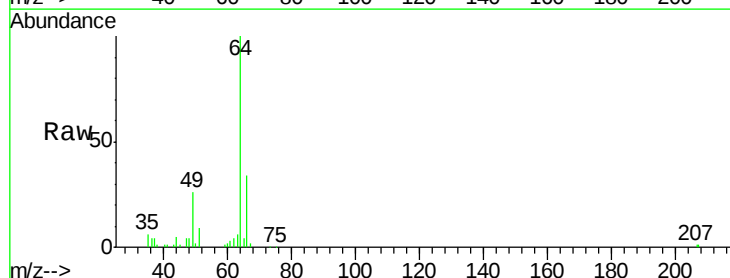
Acq: 24 Mar 2020 12:28

Tgt Ion: 64 Resp: 24447

Ion Ratio Lower Upper

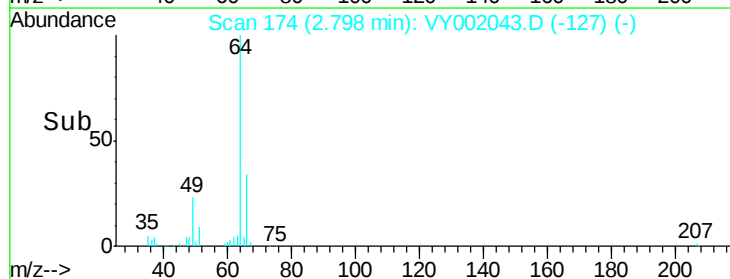
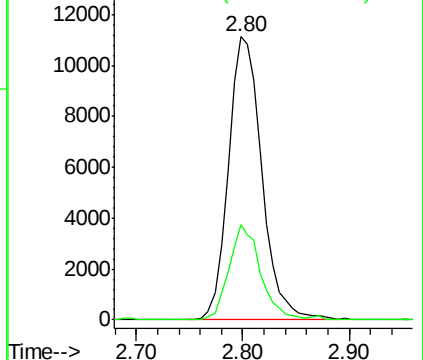
64 100

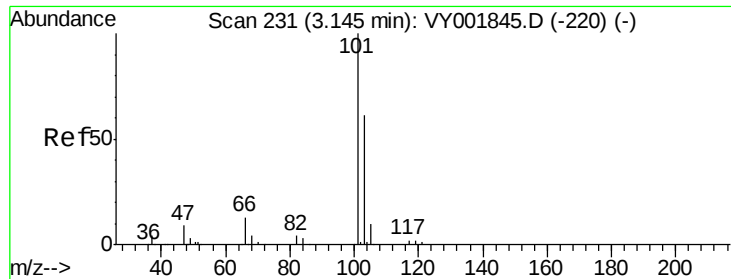
66 33.8 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

Trichlorofluoromethane

Concen: 20.60 ug/l

RT: 3.14 min Scan# 230

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

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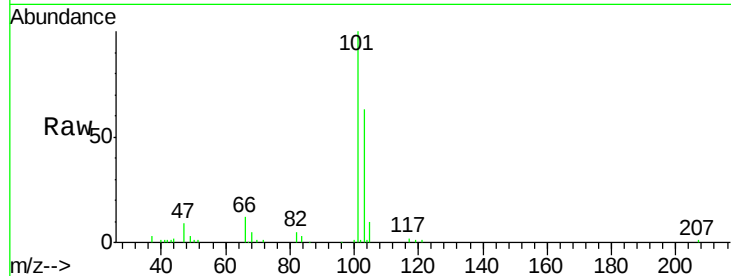
VY0324SBS01

Tgt Ion:101 Resp: 54434

Ion Ratio Lower Upper

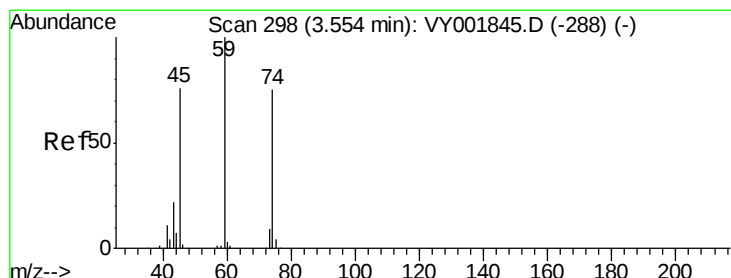
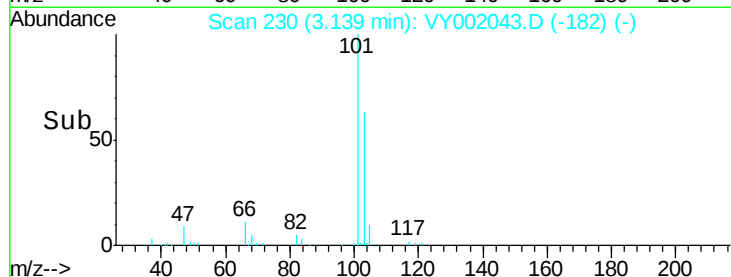
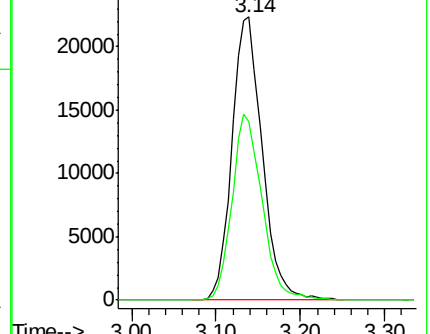
101 100

103 63.1 49.1 73.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 22.12 ug/l

RT: 3.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VY002043.D

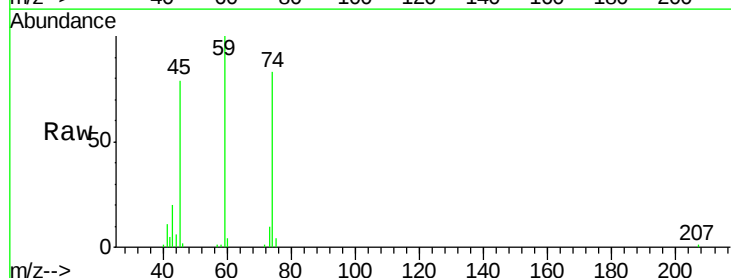
Acq: 24 Mar 2020 12:28

Tgt Ion: 74 Resp: 23035

Ion Ratio Lower Upper

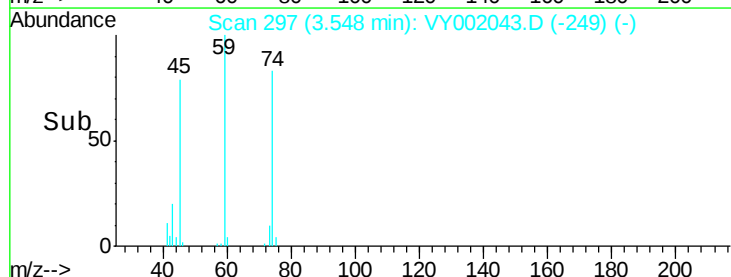
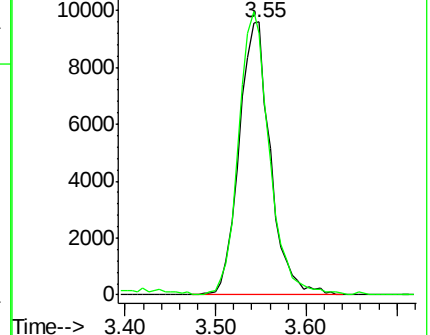
74 100

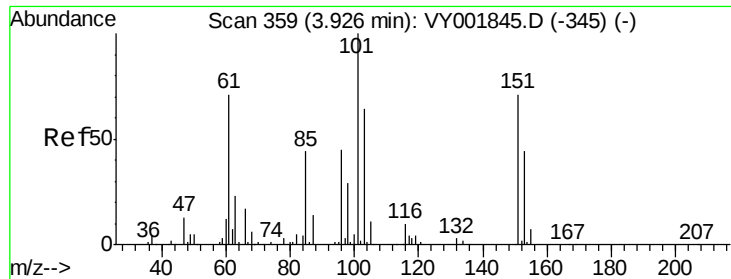
45 103.0 50.5 151.5



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0

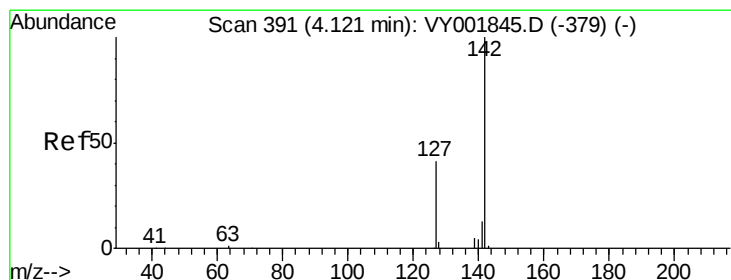
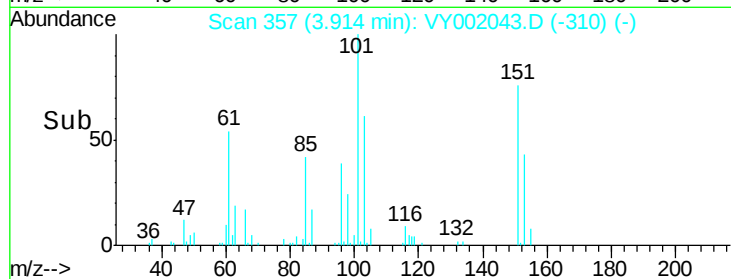
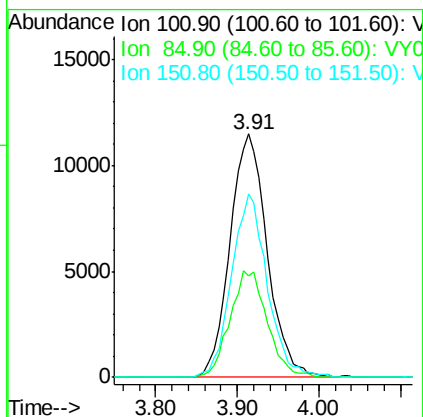
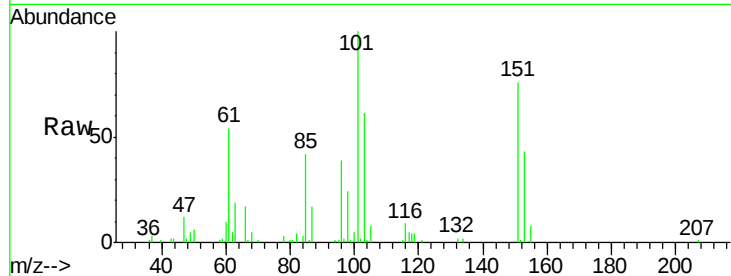




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.35 ug/l
 RT: 3.91 min Scan# 357
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

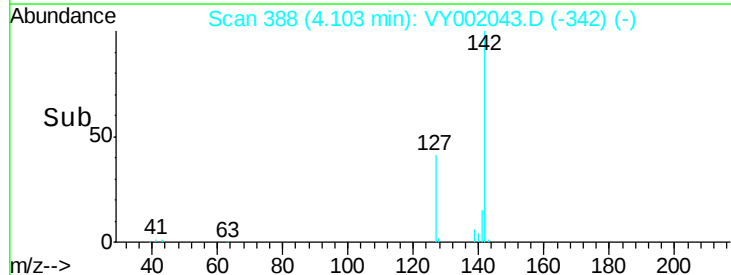
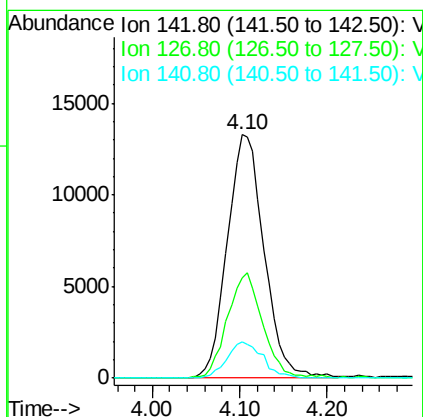
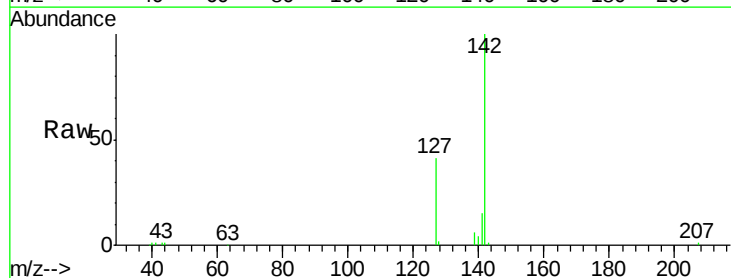
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

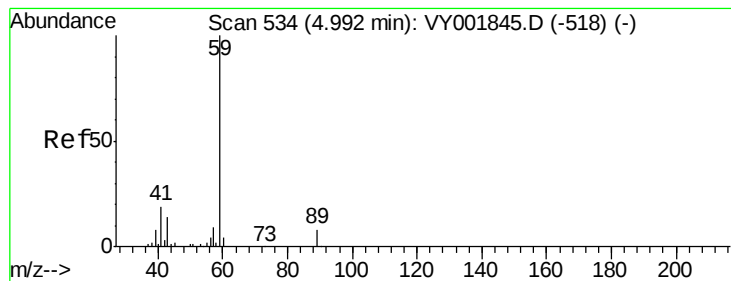
Tgt Ion:101 Resp: 36287
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.3 52.9
 151 72.3 57.0 85.4



#10
 Methyl Iodide
 Concen: 19.79 ug/l
 RT: 4.10 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion:142 Resp: 38898
 Ion Ratio Lower Upper
 142 100
 127 41.3 32.7 49.1
 141 14.5 11.0 16.6





#11

Tert butyl alcohol

Concen: 99.66 ug/l

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

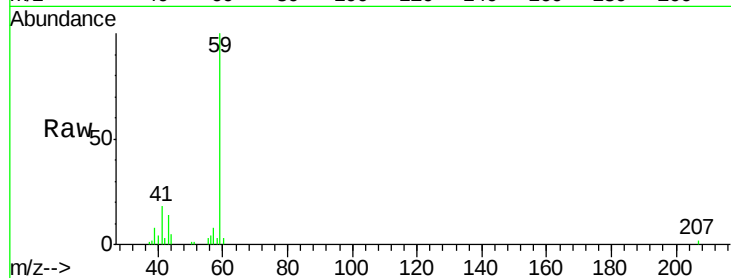
VY0324SBS01

Tgt Ion: 59 Resp: 19363

Ion Ratio Lower Upper

59 100

57 10.1 7.4 11.2



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

6000

5000

4000

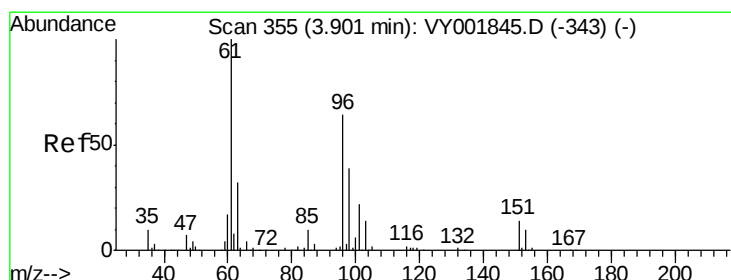
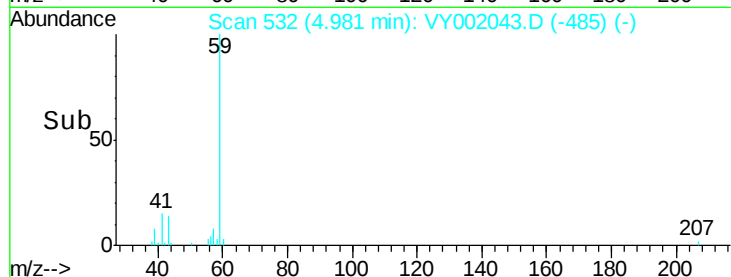
3000

2000

1000

0

Time--> 4.80 4.90 5.00 5.10



#12

1,1-Dichloroethene

Concen: 21.22 ug/l

RT: 3.88 min Scan# 352

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

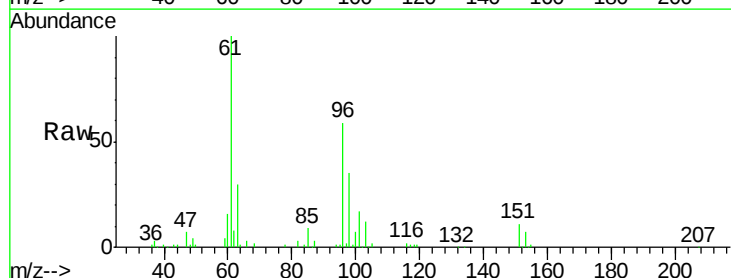
Tgt Ion: 96 Resp: 36305

Ion Ratio Lower Upper

96 100

61 168.1 124.8 187.2

98 58.8 49.2 73.8



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

30000

25000

20000

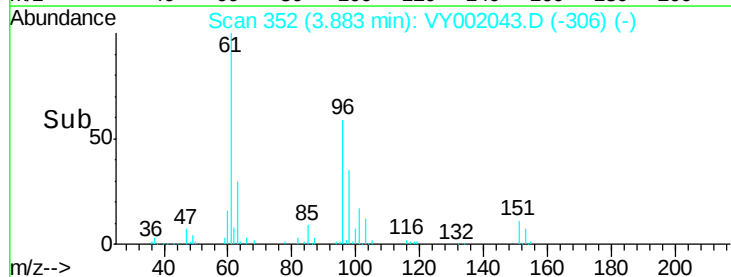
15000

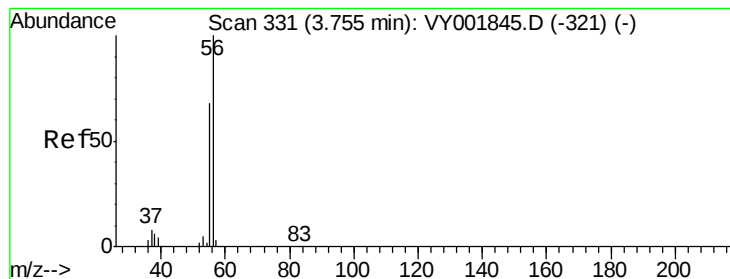
10000

5000

0

Time--> 3.80 3.90 4.00





#13

Acrolein

Concen: 78.60 ug/l

RT: 3.74 min Scan# 329

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

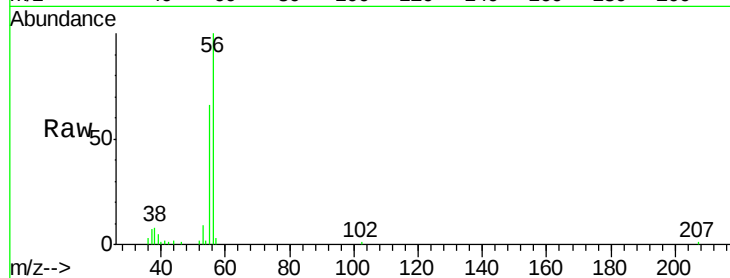
VY0324SBS01

Tgt Ion: 56 Resp: 18149

Ion Ratio Lower Upper

56 100

55 68.0 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3.74

8000

6000

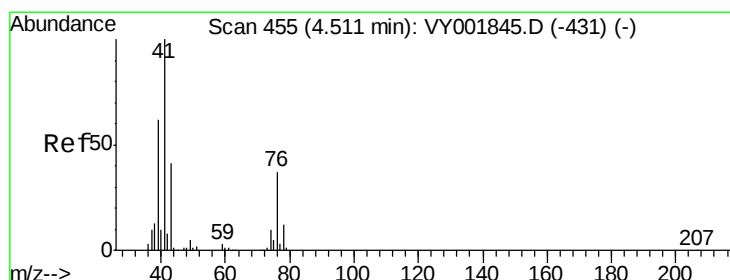
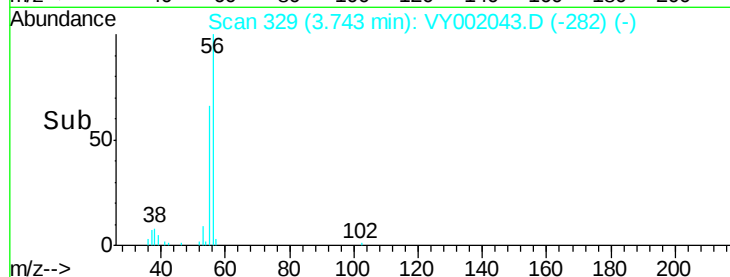
4000

2000

0

Time-->

3.70 3.80



#14

Allyl chloride

Concen: 21.26 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

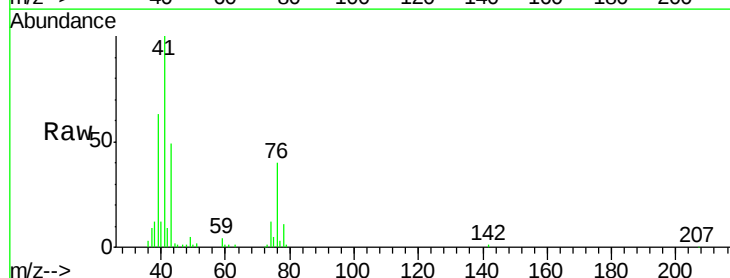
Tgt Ion: 41 Resp: 64486

Ion Ratio Lower Upper

41 100

39 62.0 49.0 73.6

76 35.9 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

4.49

25000

20000

15000

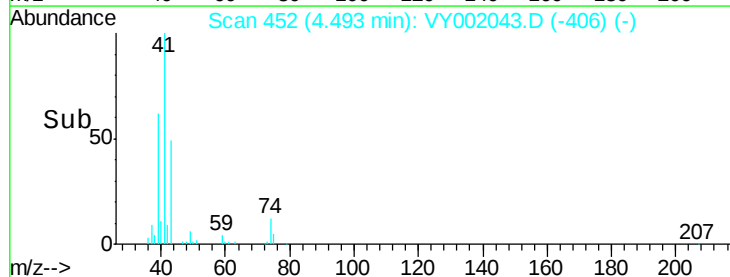
10000

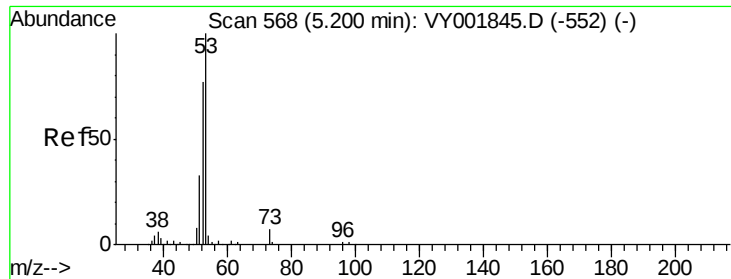
5000

0

Time-->

4.30 4.40 4.50 4.60 4.70





#15

Acrylonitrile

Concen: 118.26 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

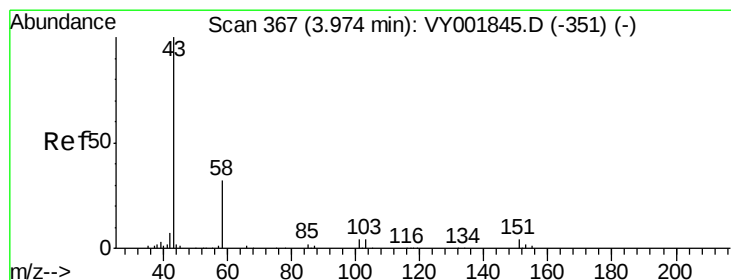
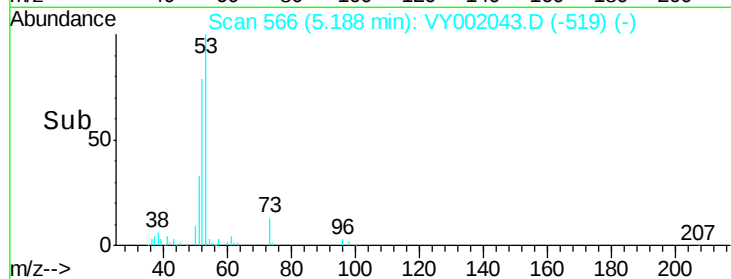
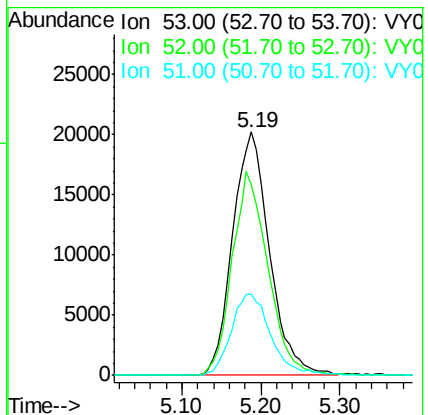
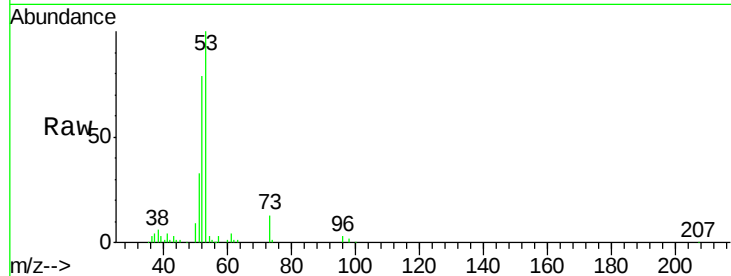
Tgt Ion: 53 Resp: 65814

Ion Ratio Lower Upper

53 100

52 81.2 65.1 97.7

51 35.6 27.5 41.3



#16

Acetone

Concen: 115.18 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002043.D

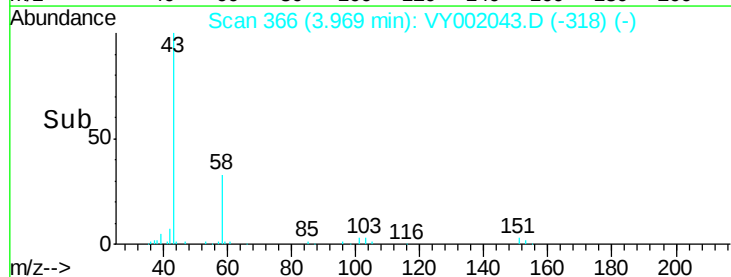
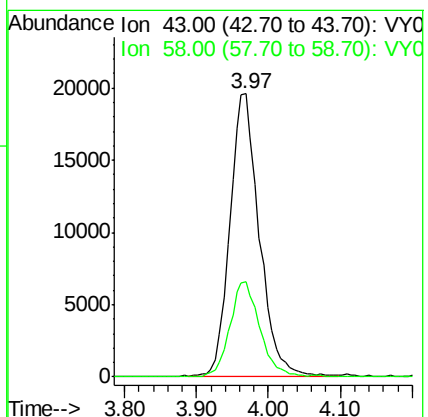
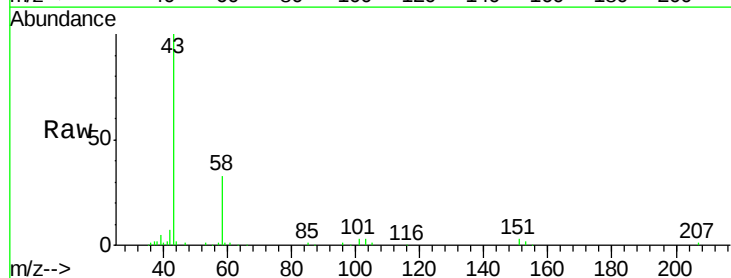
Acq: 24 Mar 2020 12:28

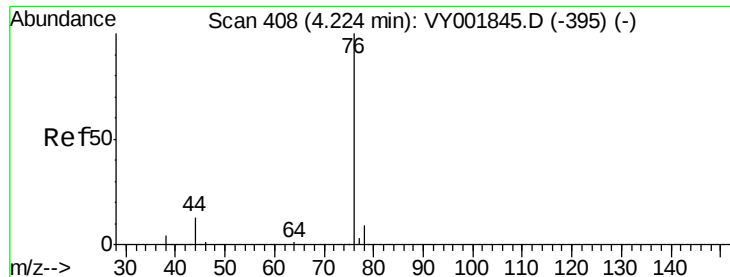
Tgt Ion: 43 Resp: 55121

Ion Ratio Lower Upper

43 100

58 33.6 25.9 38.9

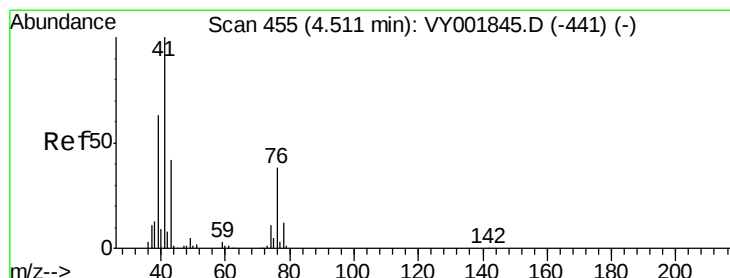
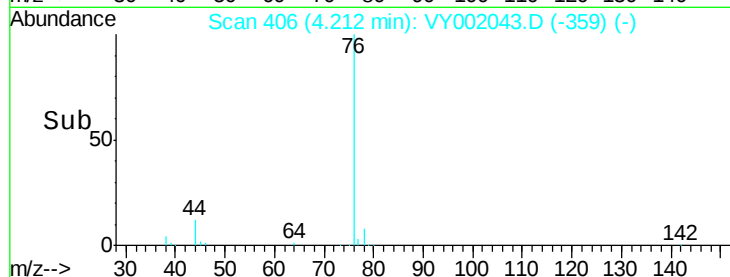
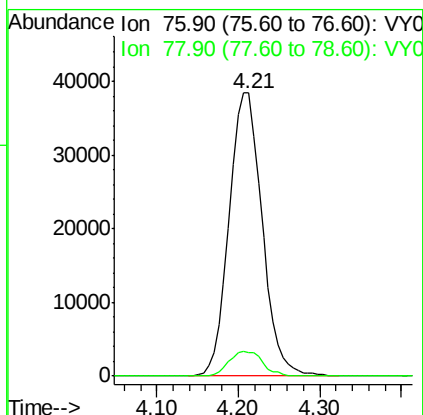
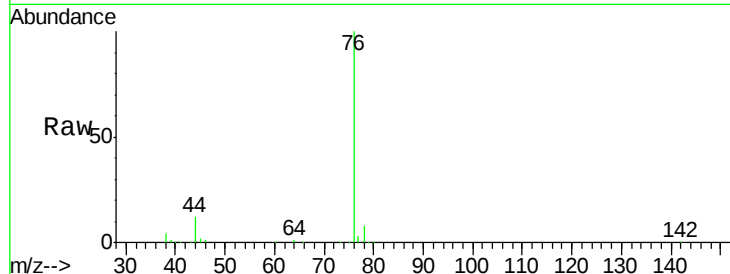




#17
Carbon Disulfide
Concen: 18.75 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

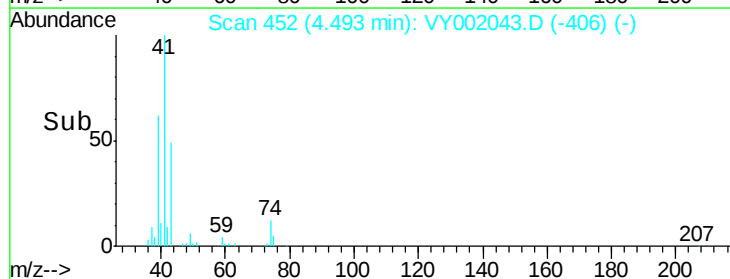
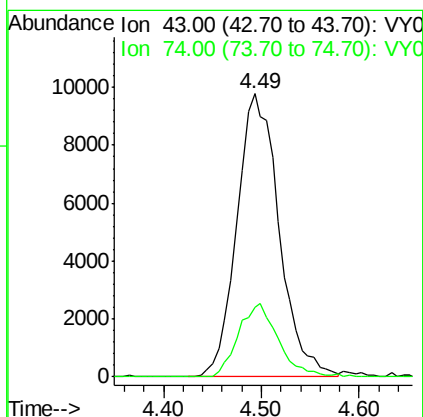
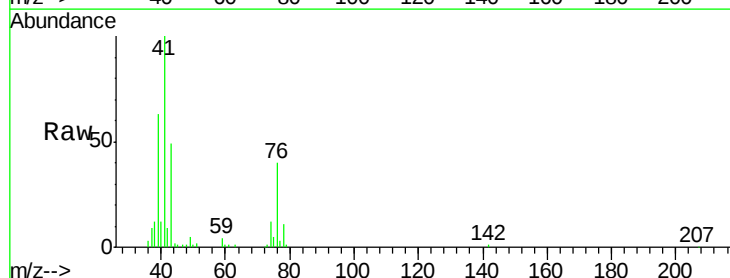
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

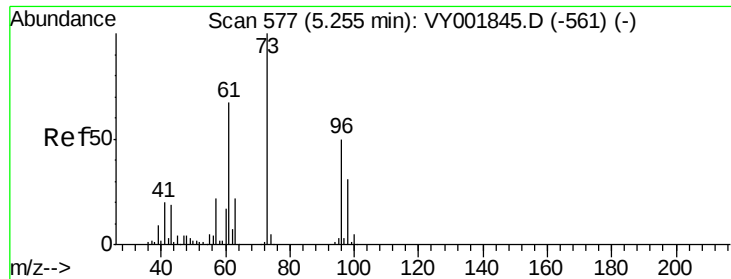
Tgt Ion: 76 Resp: 107870
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 23.89 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 43 Resp: 29383
Ion Ratio Lower Upper
43 100
74 24.6 19.0 28.6





#19

Methyl tert-butyl Ether

Concen: 22.94 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

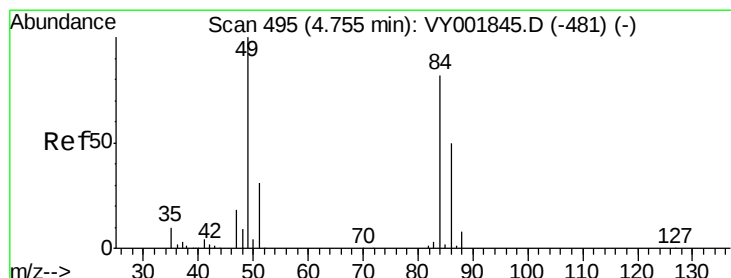
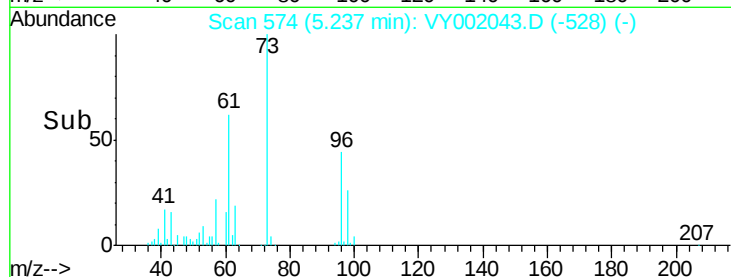
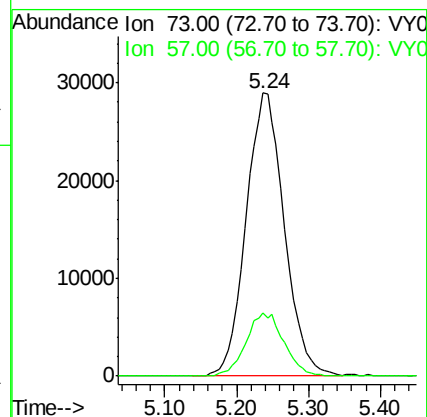
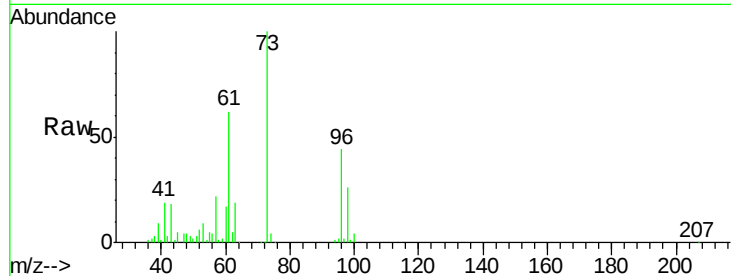
VY0324SBS01

Tgt Ion: 73 Resp: 106385

Ion Ratio Lower Upper

73 100

57 22.5 17.4 26.2



#20

Methylene Chloride

Concen: 22.16 ug/l

RT: 4.74 min Scan# 492

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Tgt Ion: 84 Resp: 45447

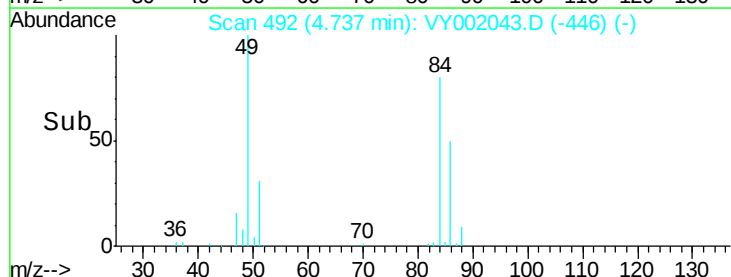
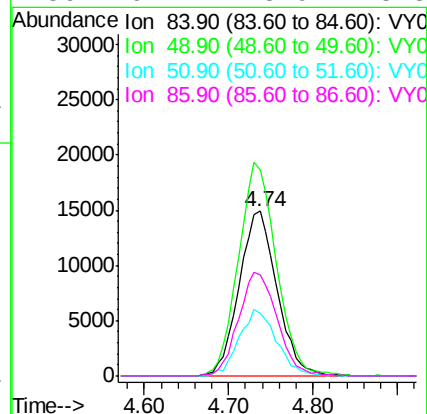
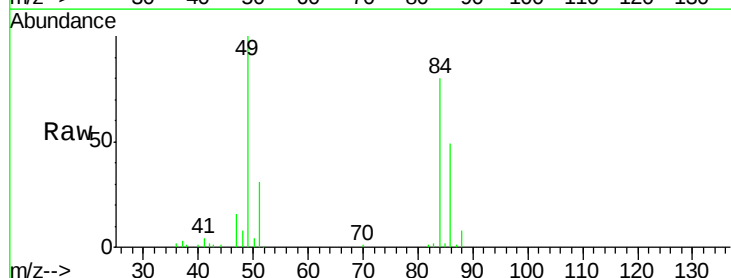
Ion Ratio Lower Upper

84 100

49 125.3 98.2 147.2

51 38.5 30.2 45.2

86 61.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.69 ug/l

RT: 5.24 min Scan# 574

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

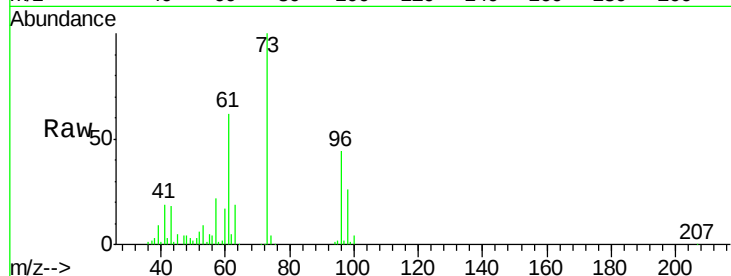
Tgt Ion: 96 Resp: 40182

Ion Ratio Lower Upper

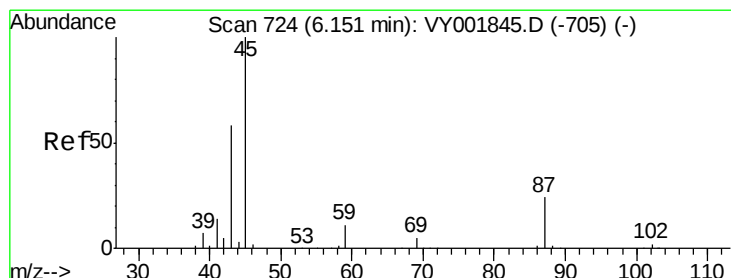
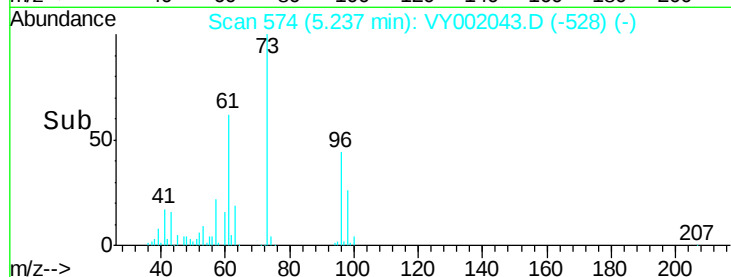
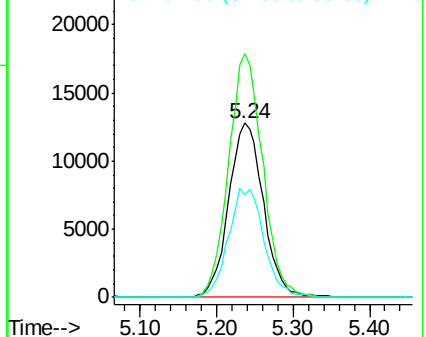
96 100

61 139.6 107.7 161.5

98 59.3 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 22.09 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Tgt Ion: 45 Resp: 137356

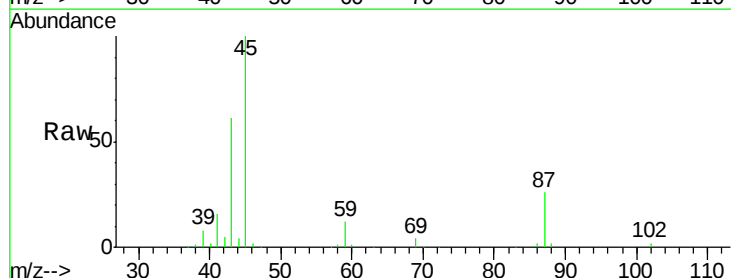
Ion Ratio Lower Upper

45 100

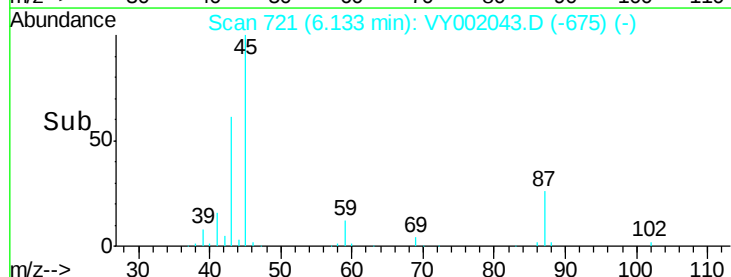
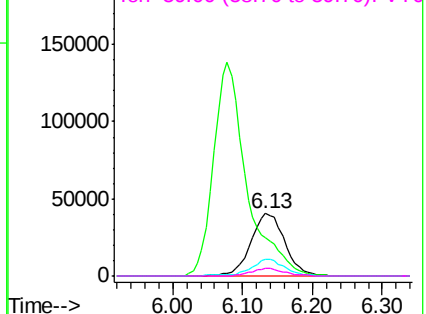
43 60.6 47.2 70.8

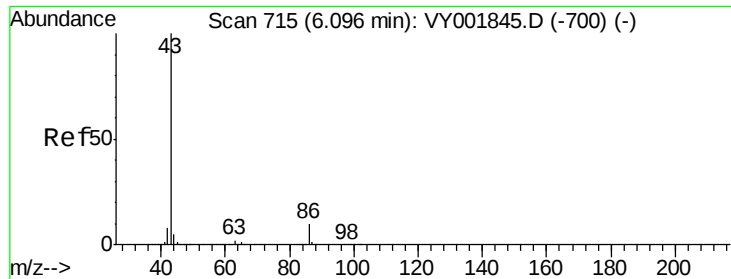
87 26.1 19.8 29.8

59 11.4 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 112.21 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

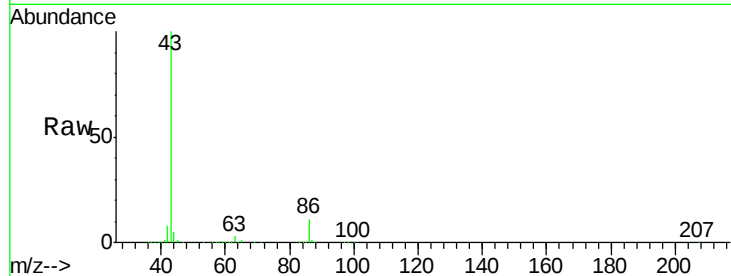
VY0324SBS01

Tgt Ion: 43 Resp: 457457

Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

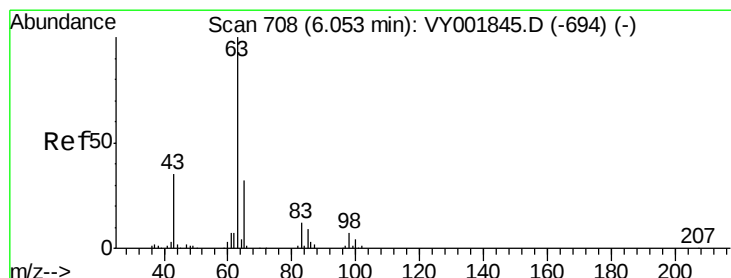
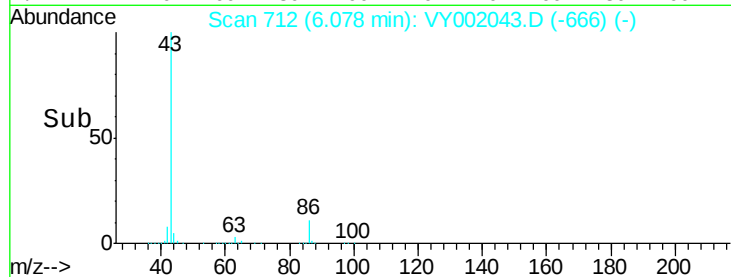
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 21.39 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

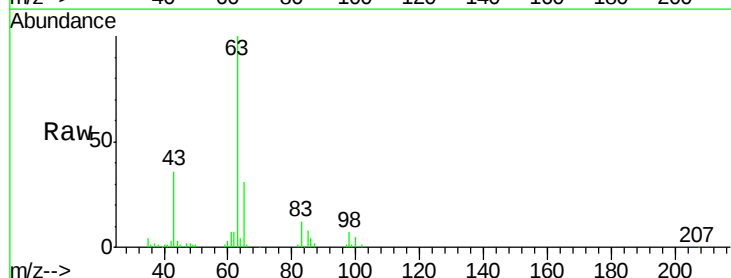
Tgt Ion: 63 Resp: 72040

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 5.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

30000

25000

20000

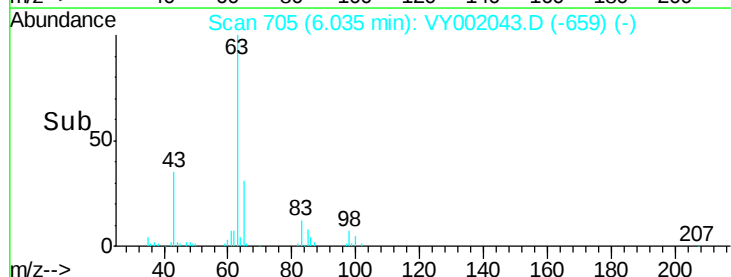
15000

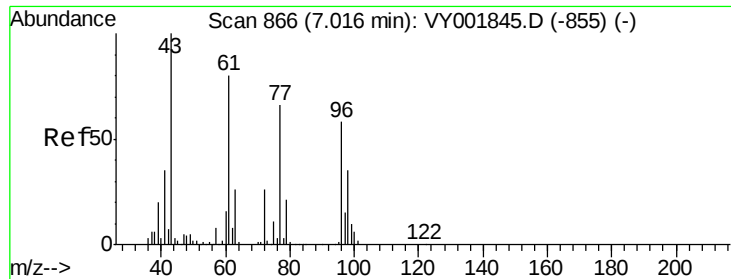
10000

5000

0

Time--> 5.90 6.00 6.10 6.20

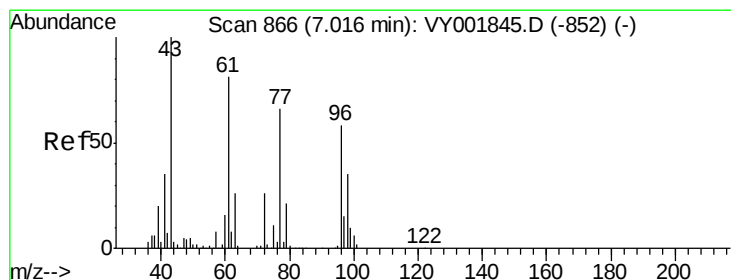
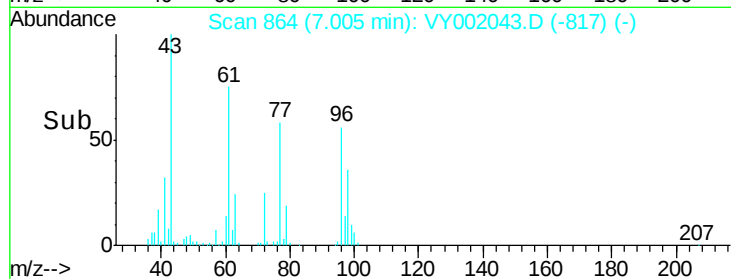
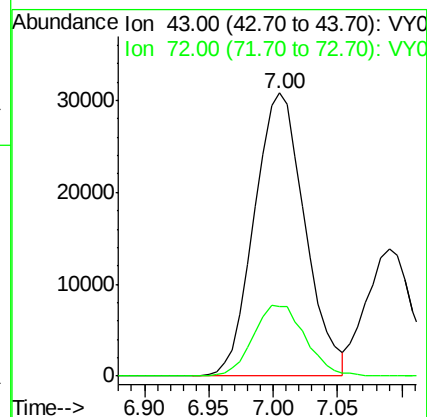
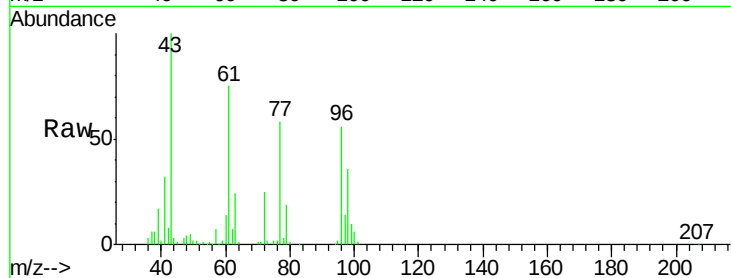




#25
 2-Butanone
 Concen: 115.60 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

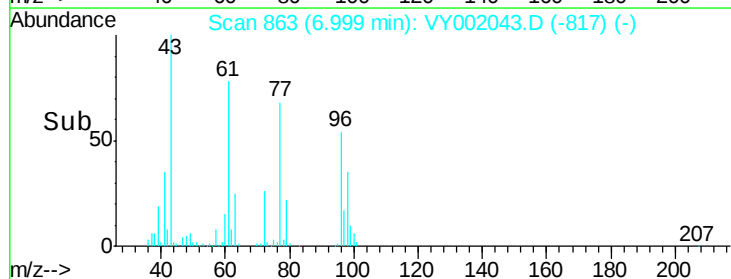
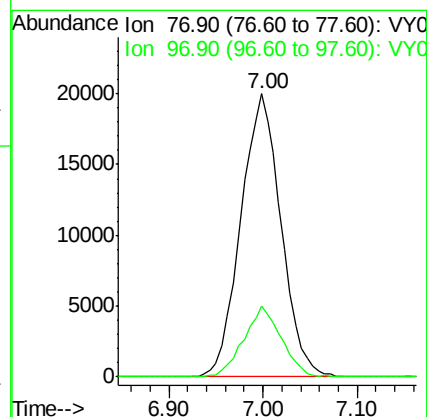
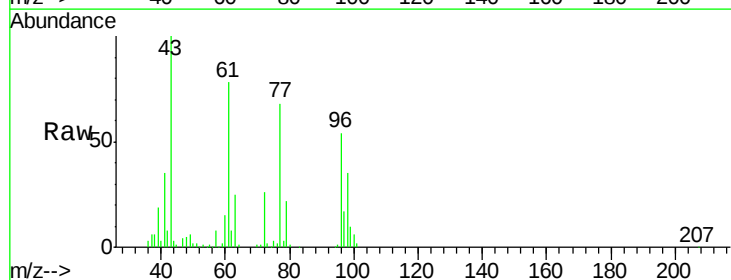
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

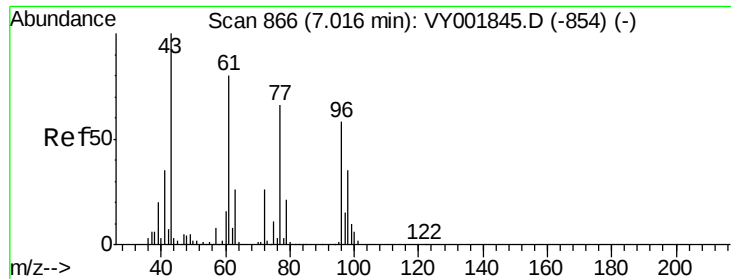
Tgt Ion: 43 Resp: 84136
 Ion Ratio Lower Upper
 43 100
 72 24.8 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 21.53 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 77 Resp: 59496
 Ion Ratio Lower Upper
 77 100
 97 23.3 11.9 35.7



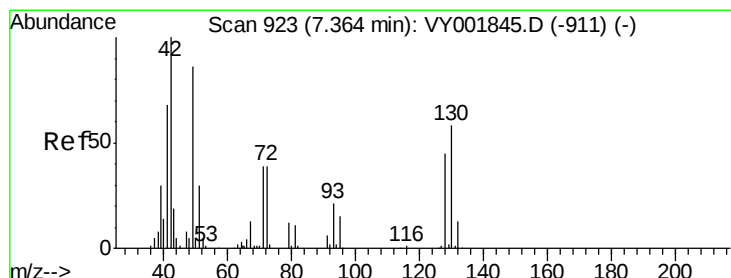
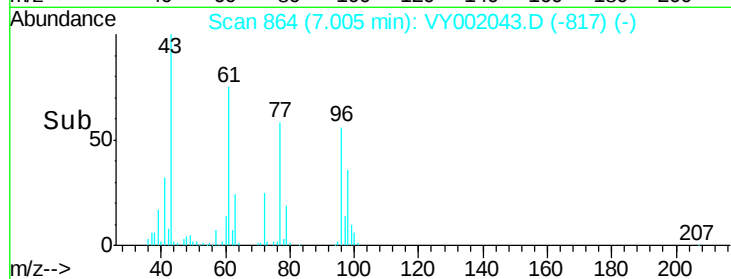
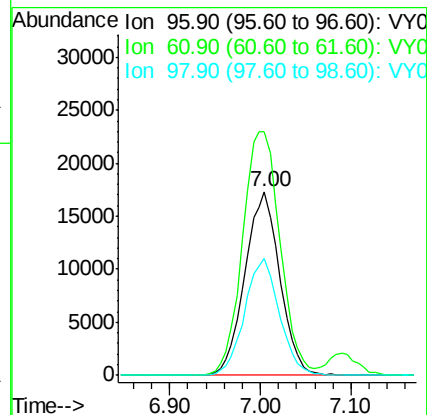
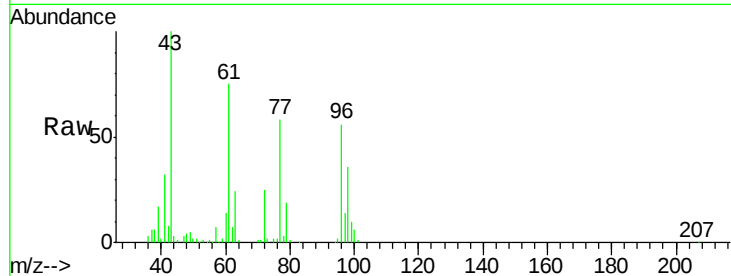


#27

cis-1,2-Dichloroethene
Concen: 21.82 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

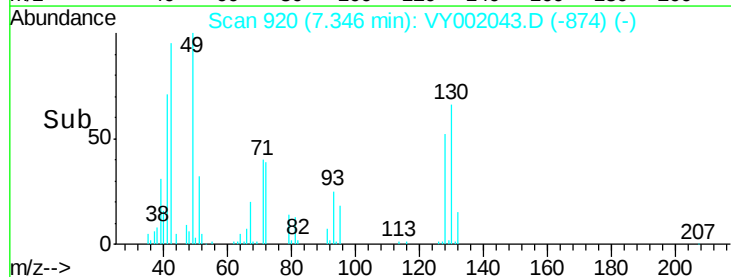
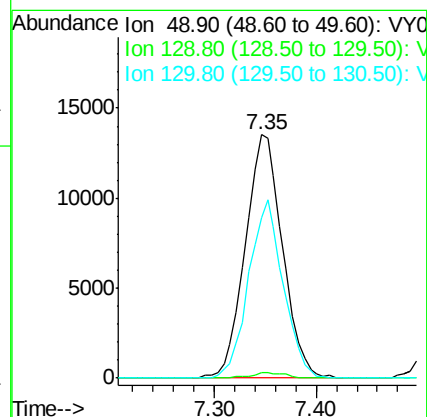
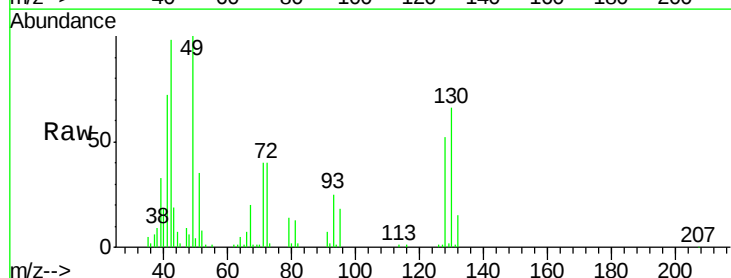
Tgt Ion: 96 Resp: 46099
Ion Ratio Lower Upper
96 100
61 142.9 0.0 288.2
98 63.4 0.0 129.0

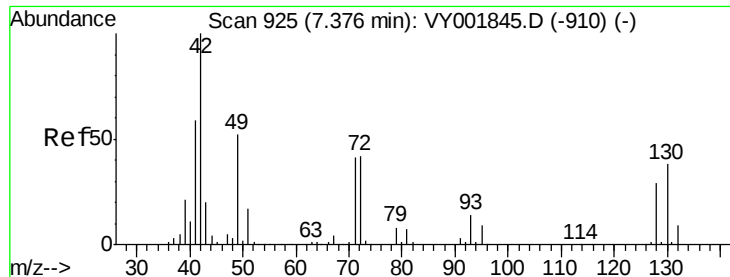


#28

Bromochloromethane
Concen: 22.60 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 49 Resp: 34300
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.8
130 67.8 54.4 81.6

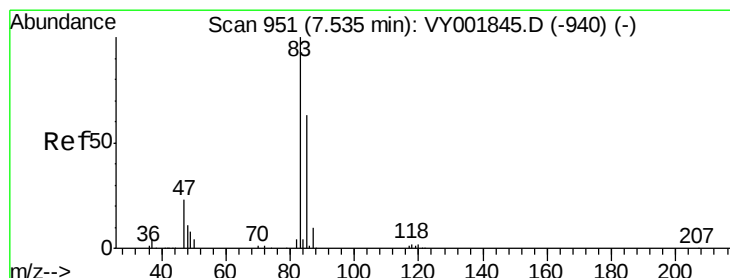
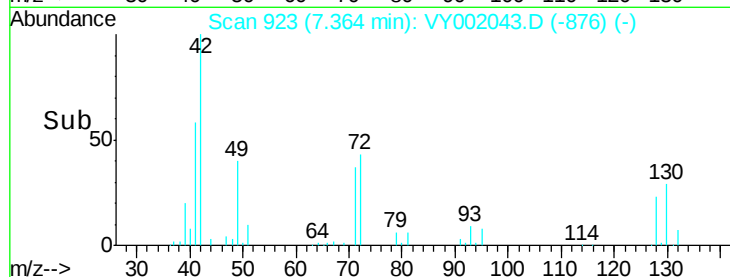
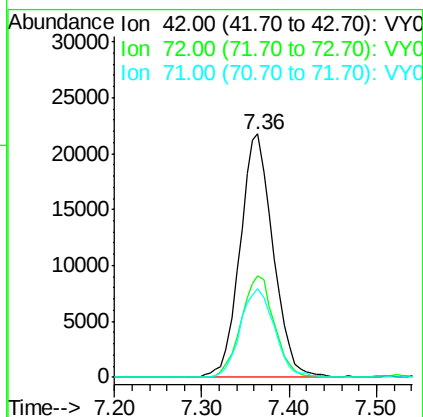
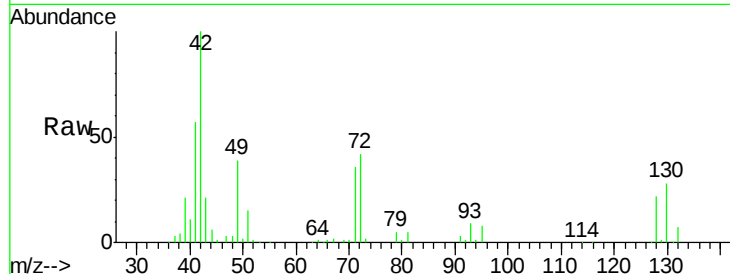




#29
Tetrahydrofuran
Concen: 117.96 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

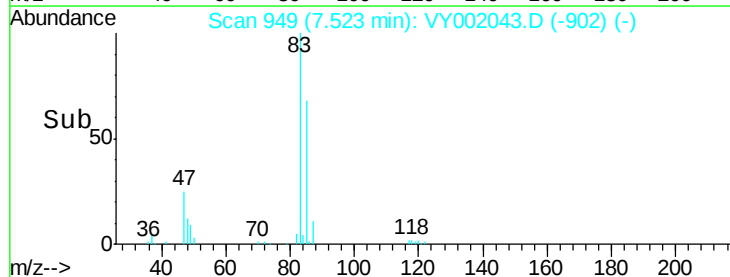
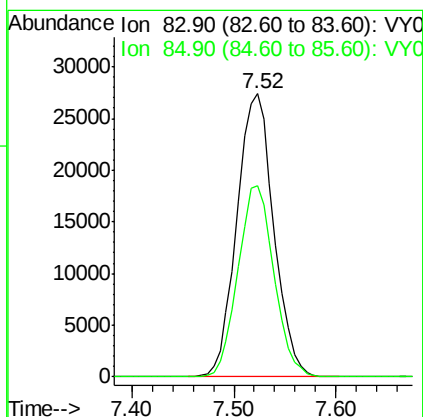
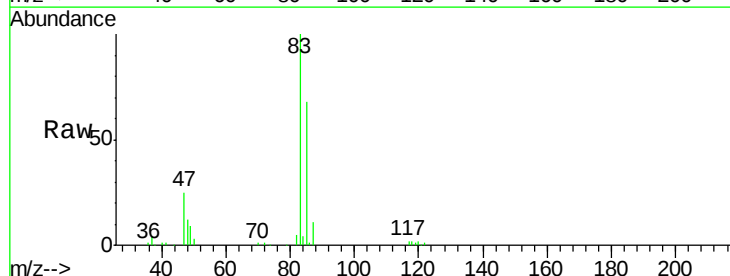
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

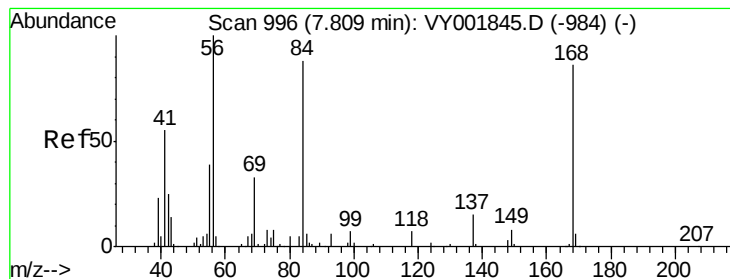
Tgt Ion: 42 Resp: 57010
Ion Ratio Lower Upper
42 100
72 41.9 33.5 50.3
71 37.9 31.3 46.9



#30
Chloroform
Concen: 21.71 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 83 Resp: 68698
Ion Ratio Lower Upper
83 100
85 67.6 50.7 76.1





#31

Cyclohexane

Concen: 20.28 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

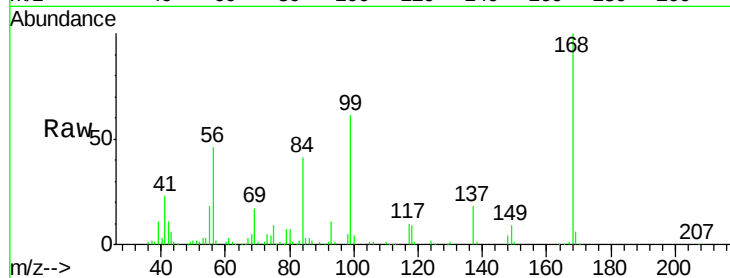
Tgt Ion: 56 Resp: 73240

Ion Ratio Lower Upper

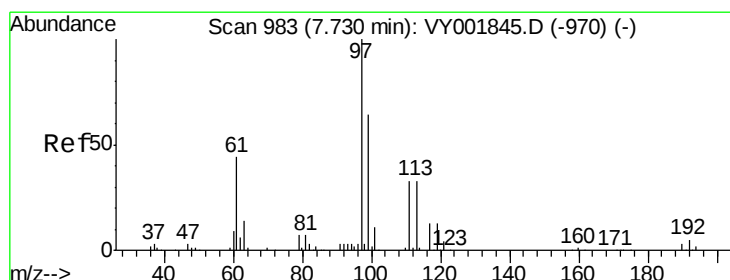
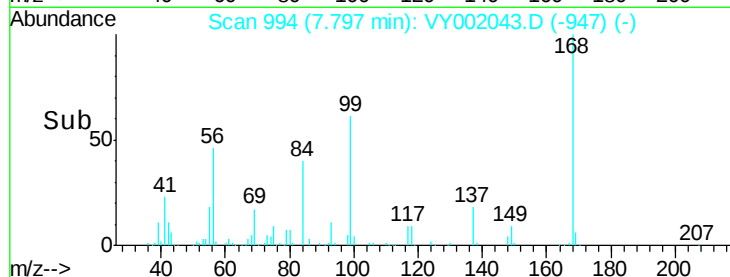
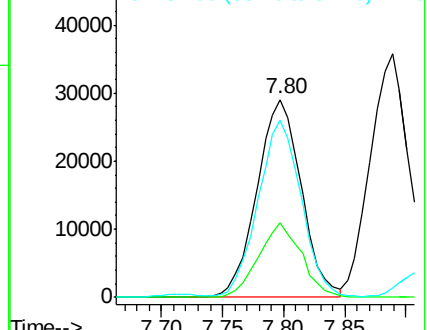
56 100

69 37.7 26.7 40.1

84 88.0 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 21.81 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

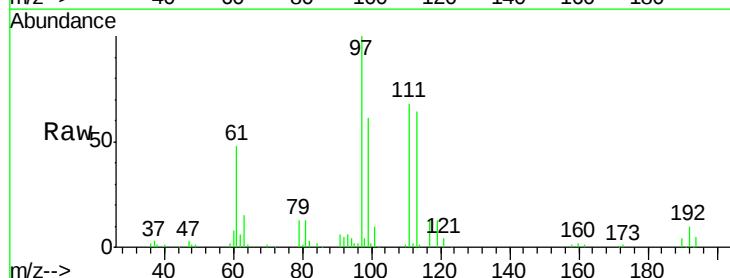
Tgt Ion: 97 Resp: 58164

Ion Ratio Lower Upper

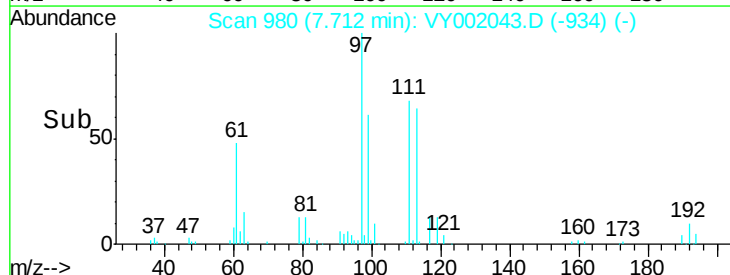
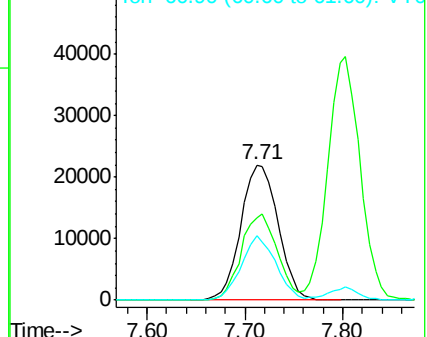
97 100

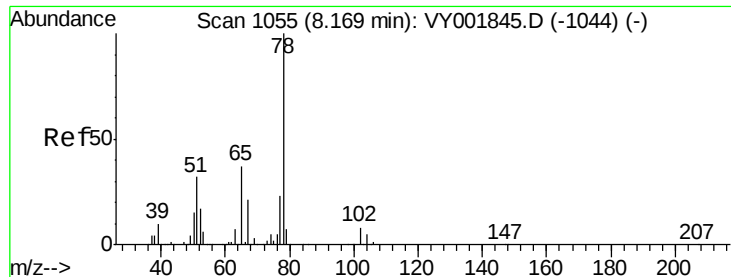
99 61.8 52.0 78.0

61 44.5 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

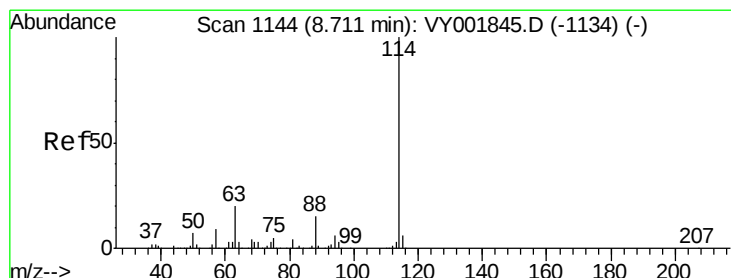
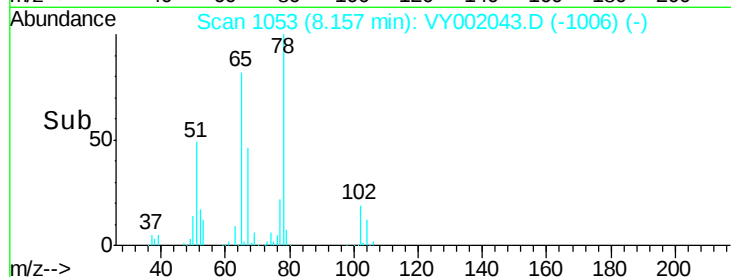
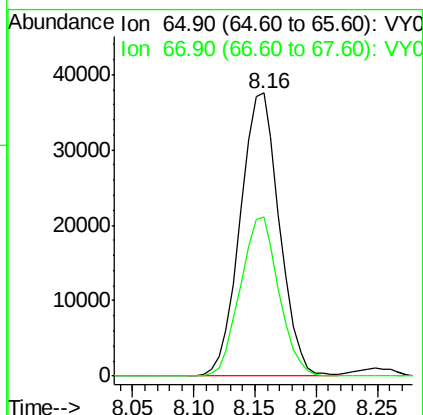
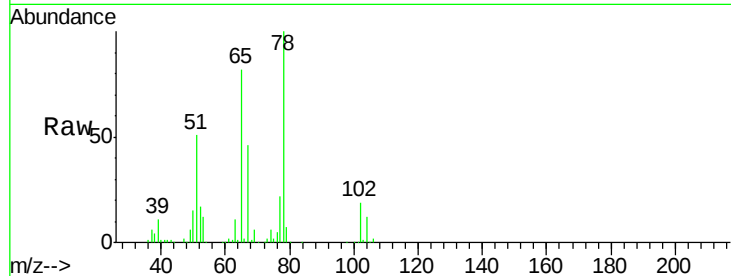




#33
 1,2-Dichloroethane-d4
 Concen: 50.85 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

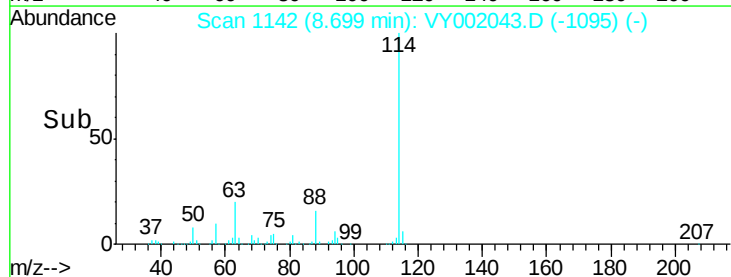
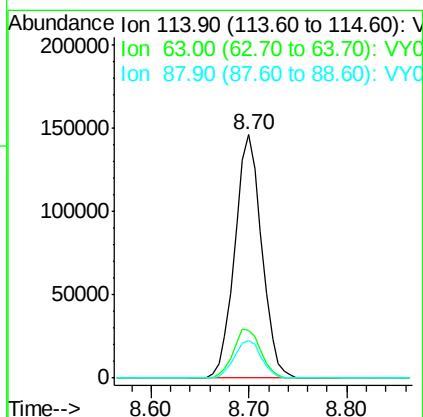
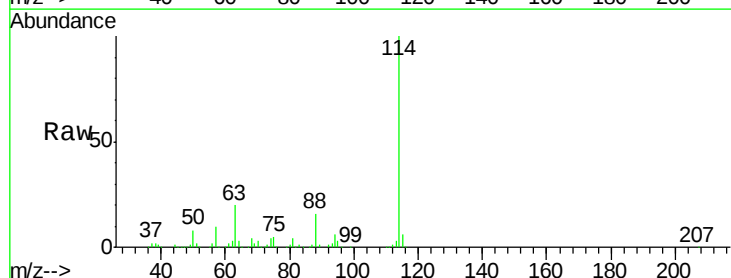
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

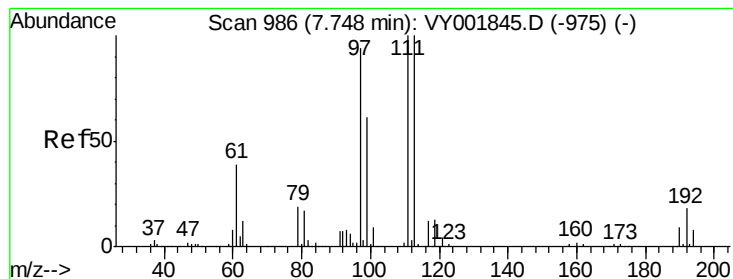
Tgt Ion: 65 Resp: 83552
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 114 Resp: 278265
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.45 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

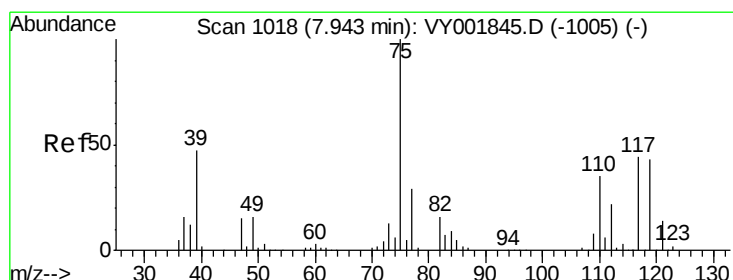
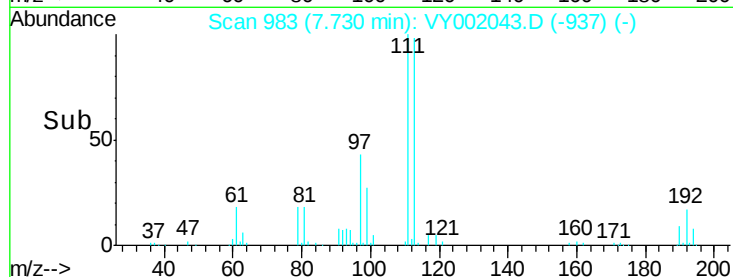
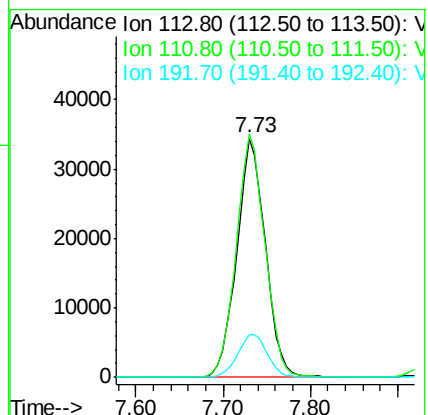
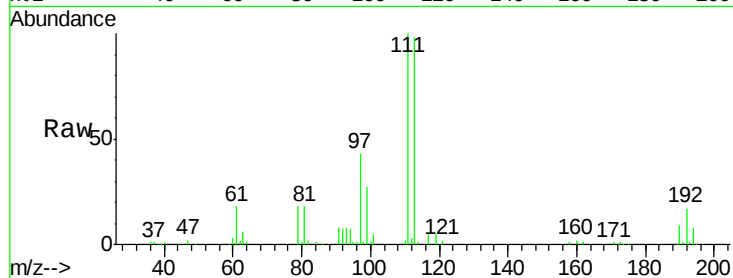
Tgt Ion:113 Resp: 78174

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.8

192 18.5 14.2 21.2



#36

1,1-Dichloropropene

Concen: 21.03 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

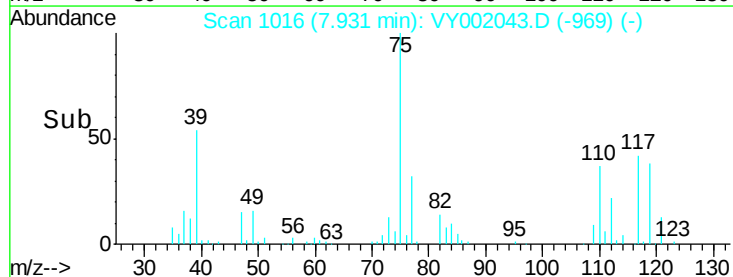
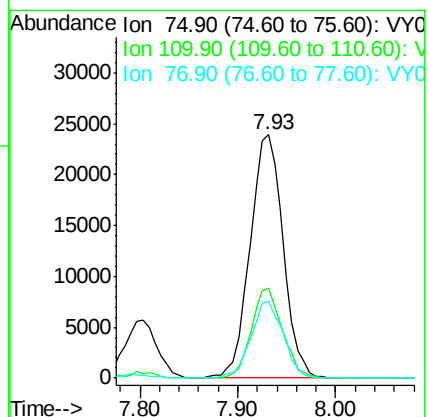
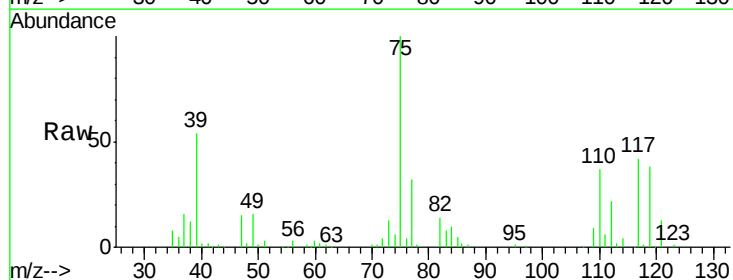
Tgt Ion: 75 Resp: 56302

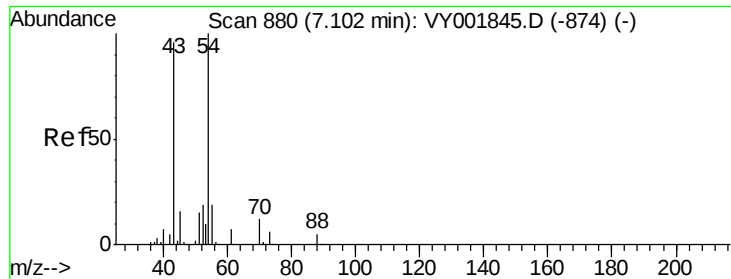
Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

77 30.7 24.2 36.2

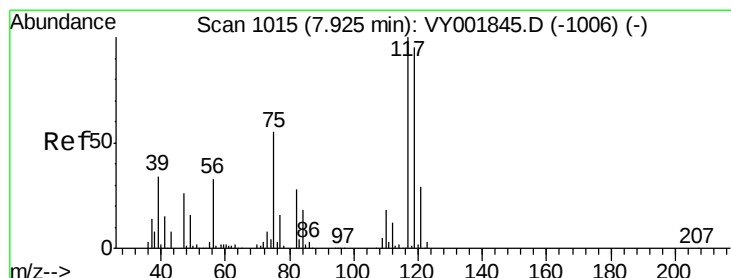
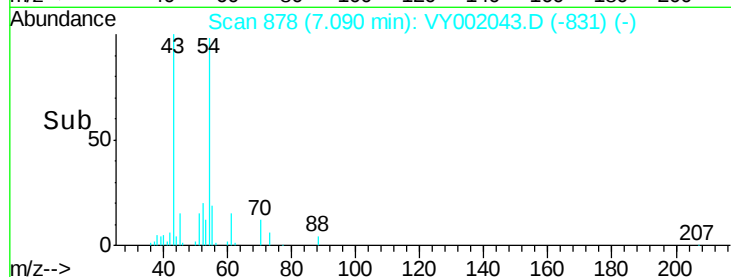
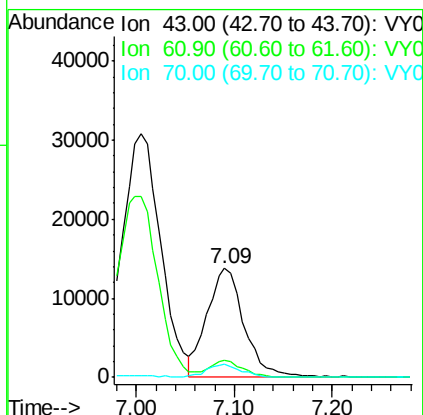
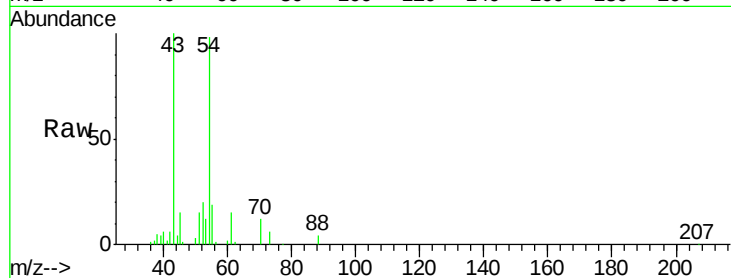




#37
Ethyl Acetate
Concen: 23.20 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

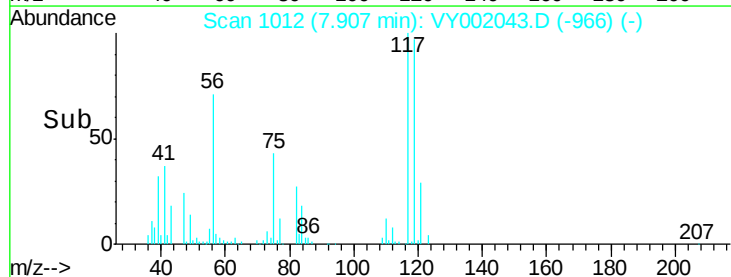
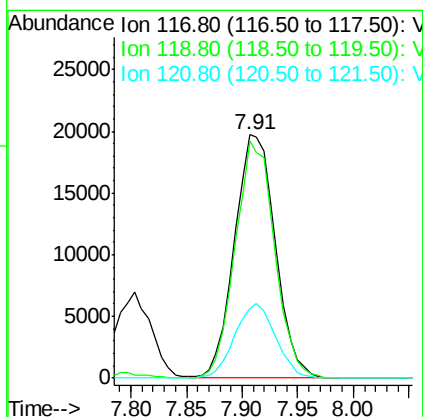
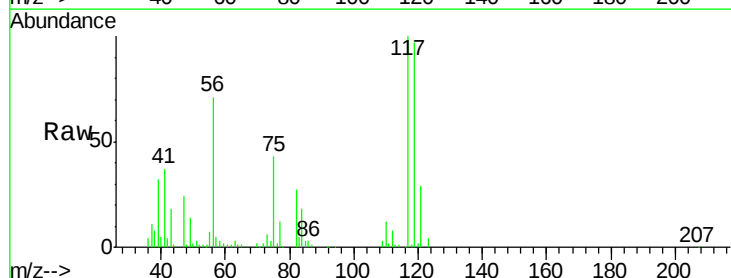
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

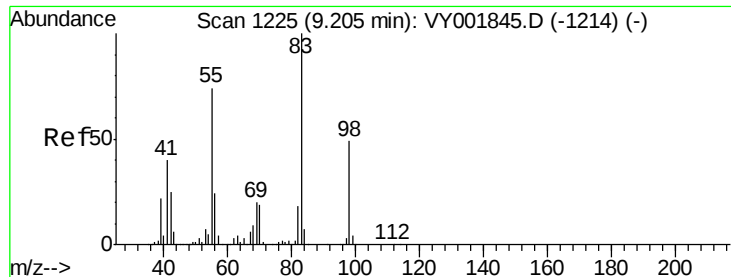
Tgt Ion: 43 Resp: 36106
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 11.1 8.2 12.4



#38
Carbon Tetrachloride
Concen: 21.99 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 117 Resp: 50303
Ion Ratio Lower Upper
117 100
119 97.3 76.3 114.5
121 28.7 23.5 35.3

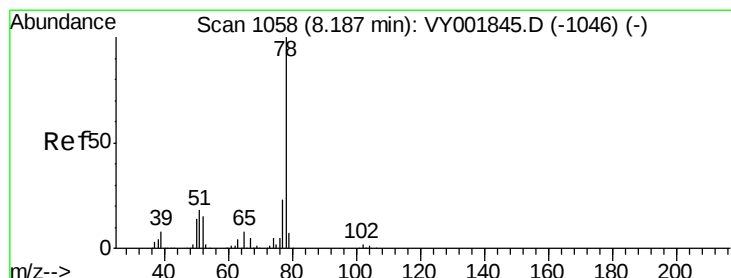
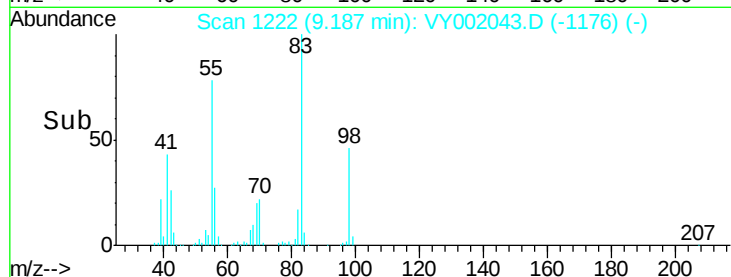
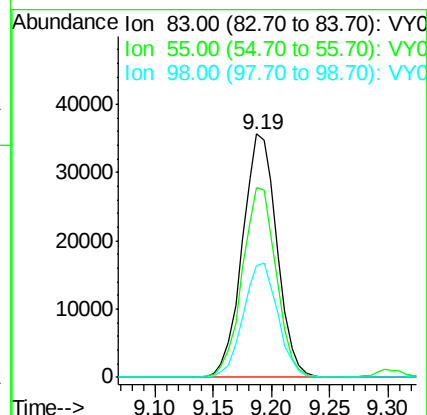
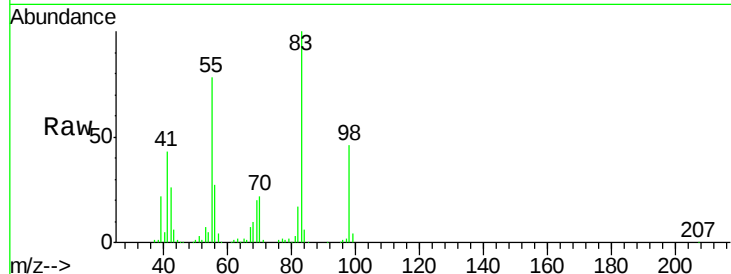




#39
Methylcyclohexane
Concen: 20.74 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

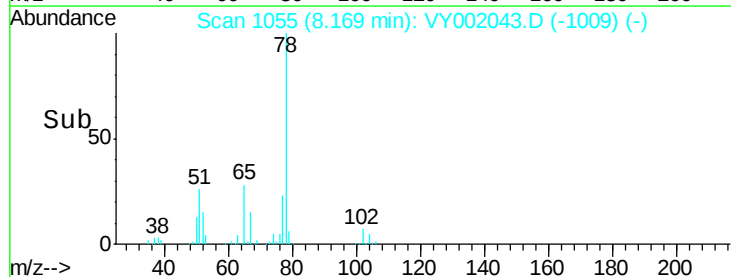
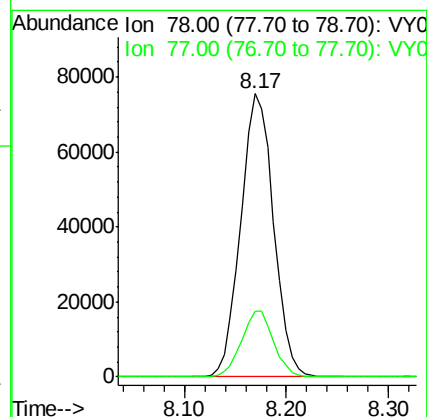
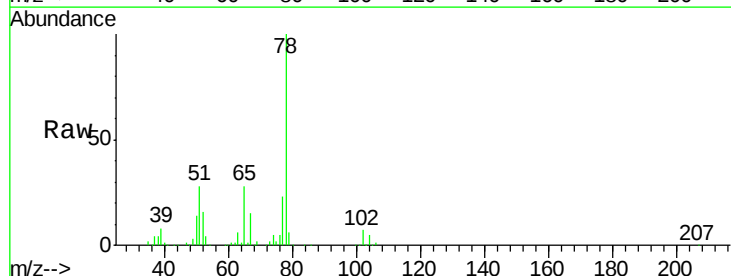
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion: 83 Resp: 73650
Ion Ratio Lower Upper
83 100
55 77.9 59.4 89.0
98 46.0 38.9 58.3



#40
Benzene
Concen: 21.20 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 78 Resp: 168254
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1

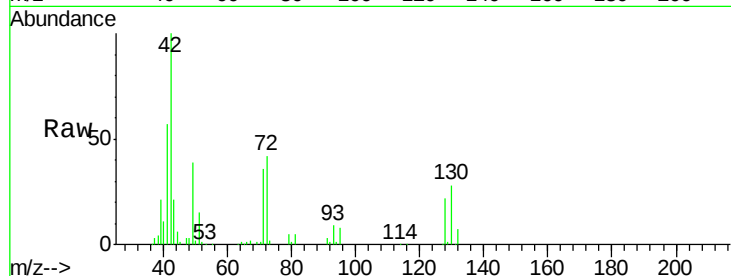




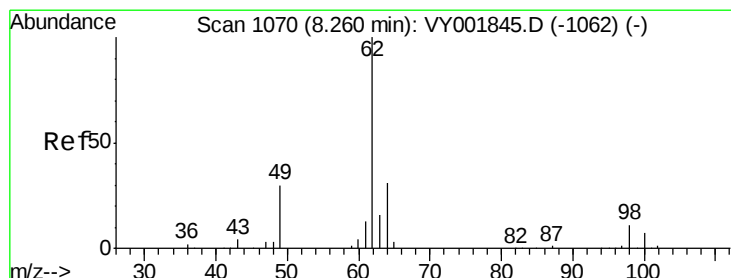
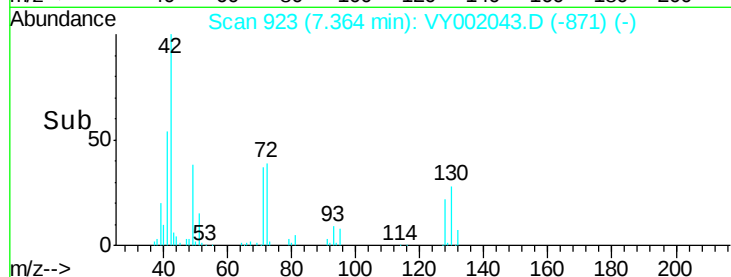
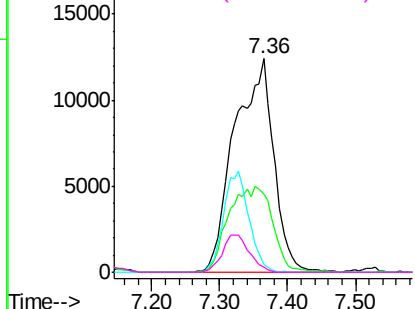
#41
Methacrylonitrile
Concen: 70.85 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion: 41 Resp: 49626
Ion Ratio Lower Upper
41 100
39 45.0 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

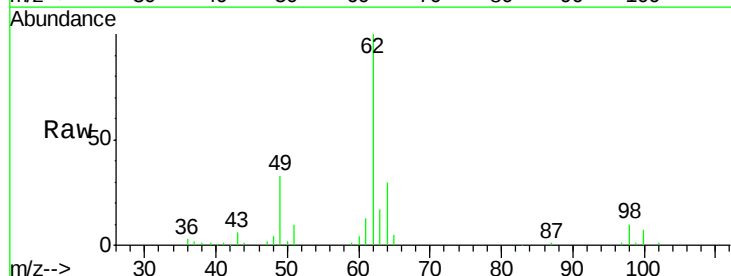


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

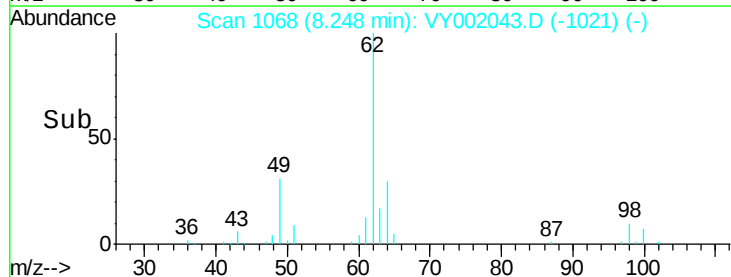
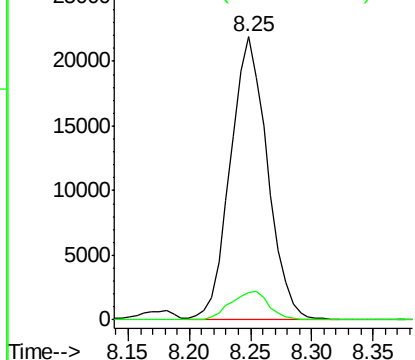


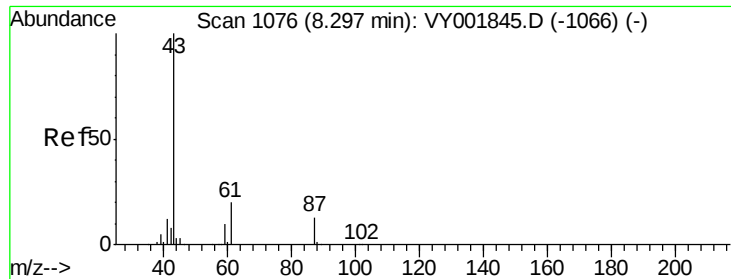
#42
1,2-Dichloroethane
Concen: 22.45 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 62 Resp: 45914
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

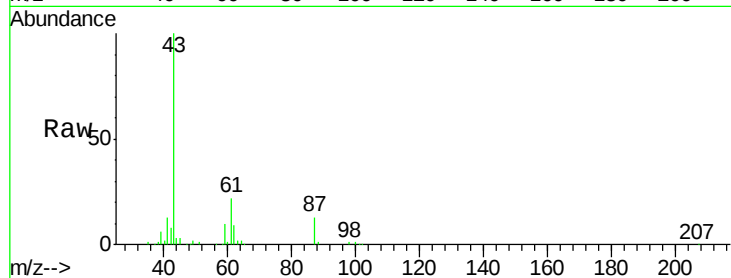




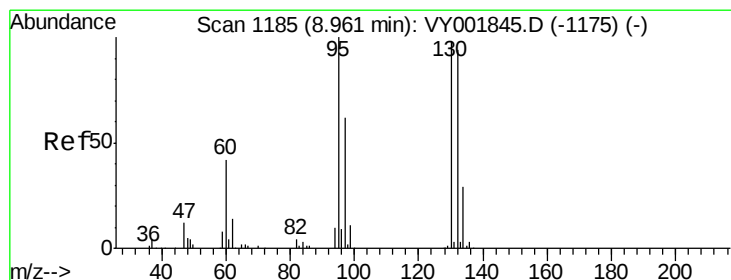
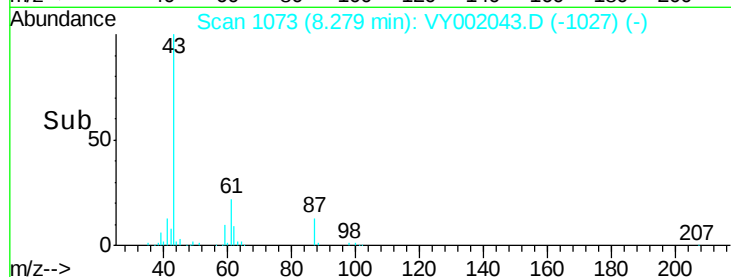
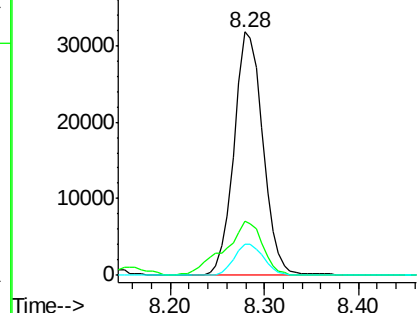
#43
Isopropyl Acetate
Concen: 23.08 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion: 43 Resp: 68002
Ion Ratio Lower Upper
43 100
61 29.2 23.8 35.6
87 12.9 10.9 16.3

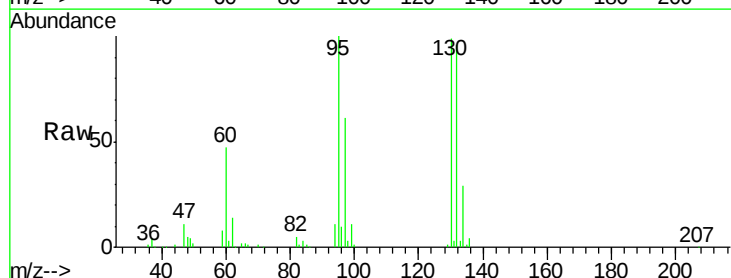


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

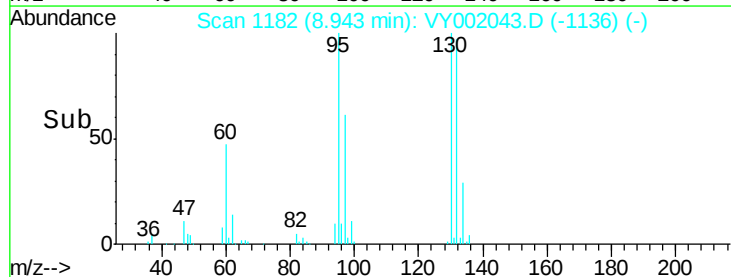
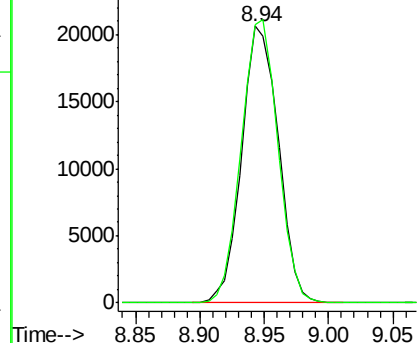


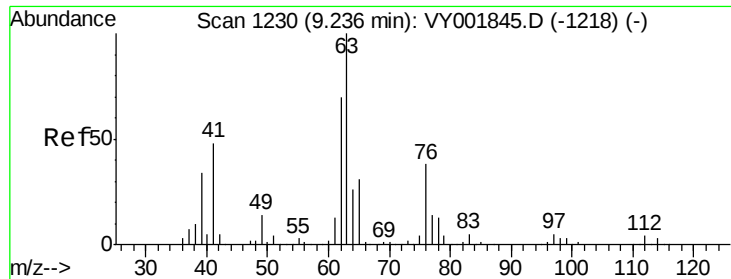
#44
Trichloroethene
Concen: 21.07 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.02 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 130 Resp: 40727
Ion Ratio Lower Upper
130 100
95 100.8 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0

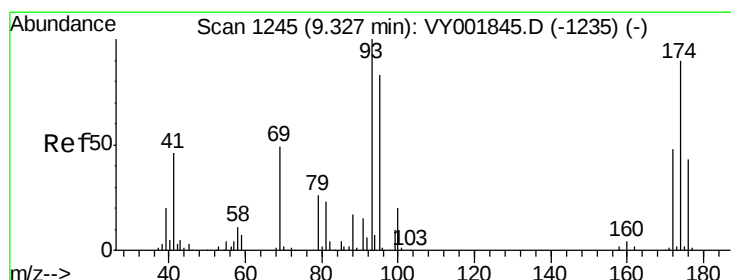
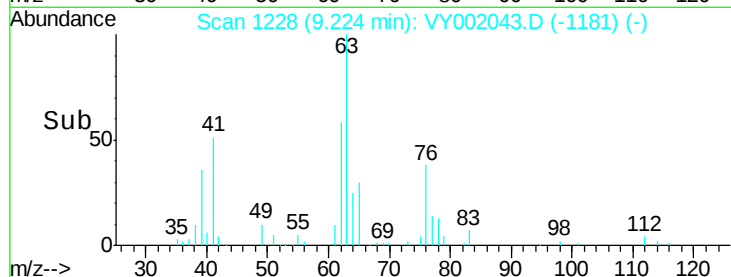
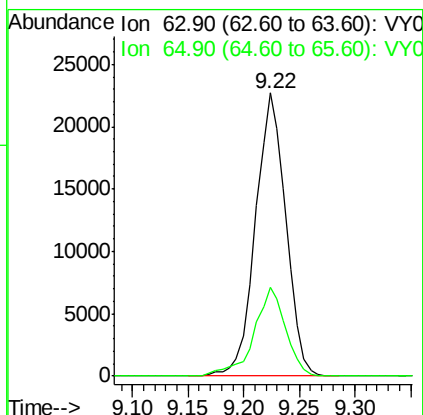
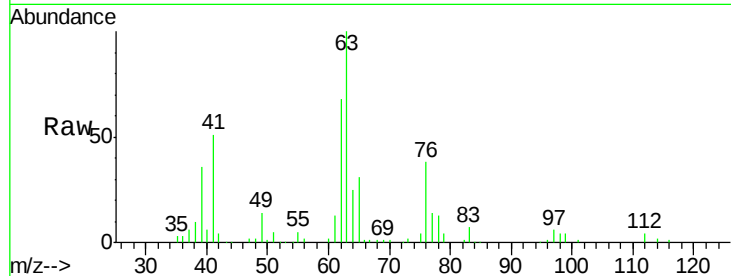




#45
 1,2-Dichloropropane
 Concen: 21.67 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

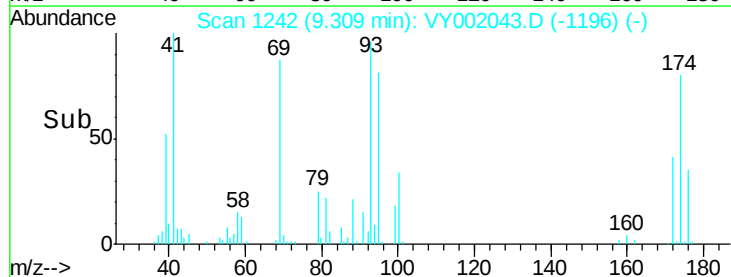
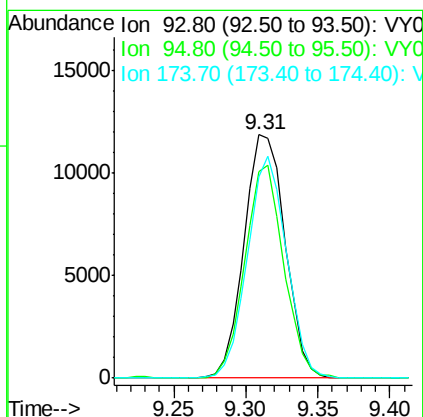
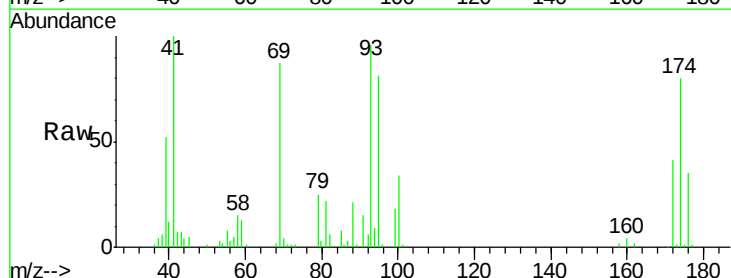
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

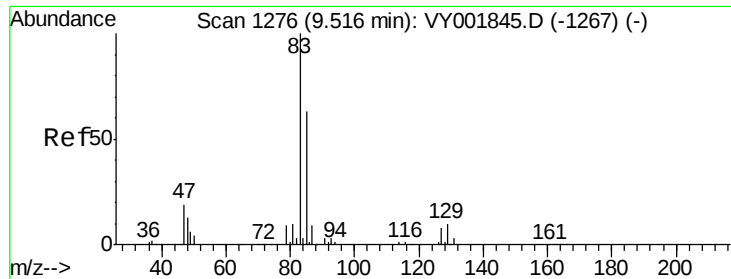
Tgt Ion: 63 Resp: 43238
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.9 37.3



#46
 Dibromomethane
 Concen: 22.78 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 93 Resp: 23422
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.4
 174 87.0 71.8 107.8

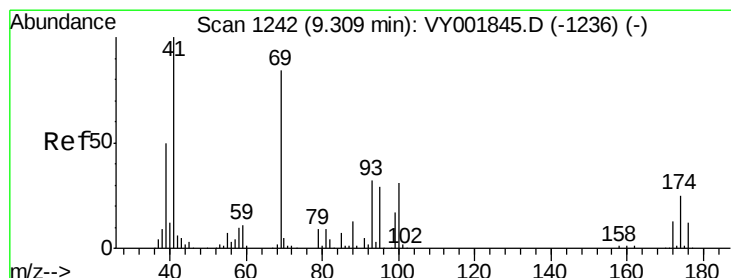
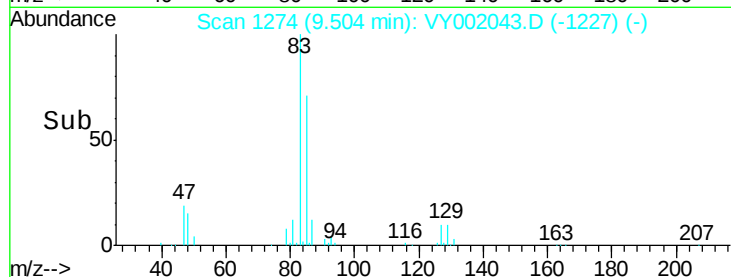
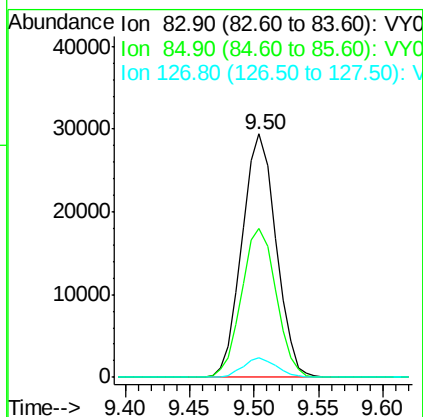
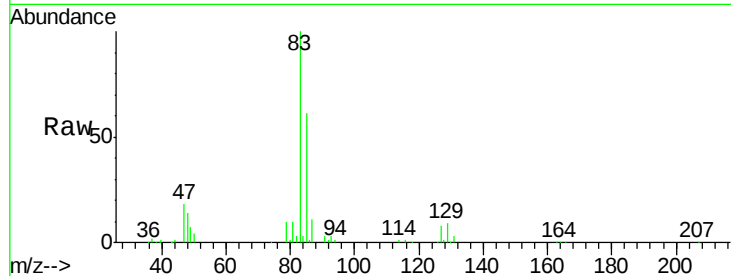




#47
Bromodichloromethane
Concen: 22.50 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

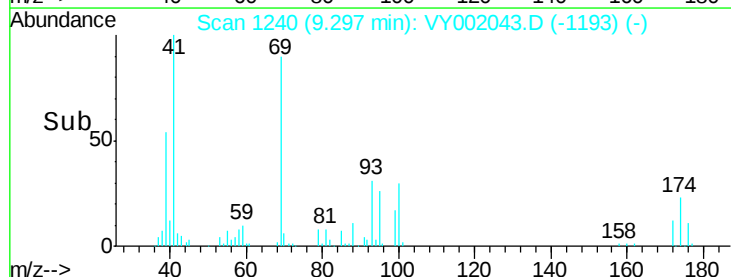
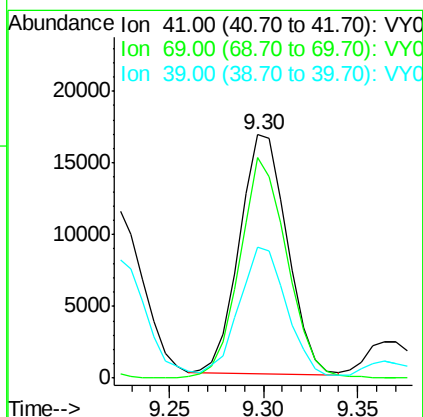
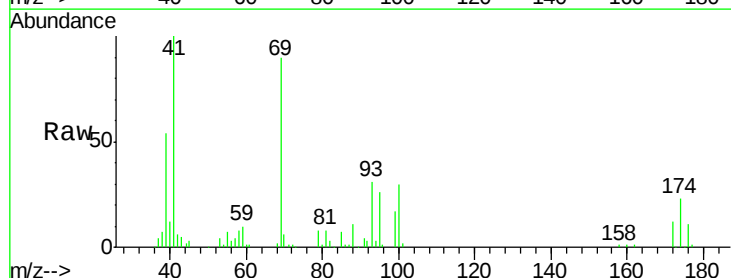
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

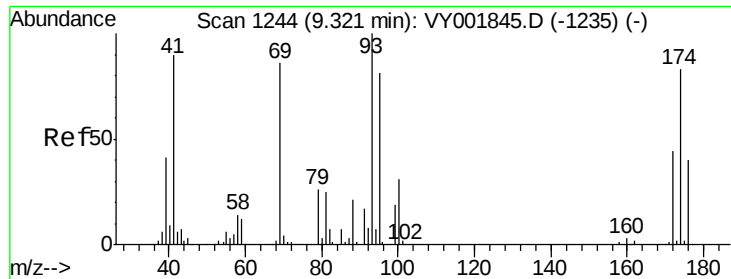
Tgt Ion: 83 Resp: 53823
Ion Ratio Lower Upper
83 100
85 61.2 50.6 76.0
127 8.3 6.2 9.4



#48
Methyl methacrylate
Concen: 22.56 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 41 Resp: 29494
Ion Ratio Lower Upper
41 100
69 90.7 69.0 103.6
39 52.6 39.1 58.7

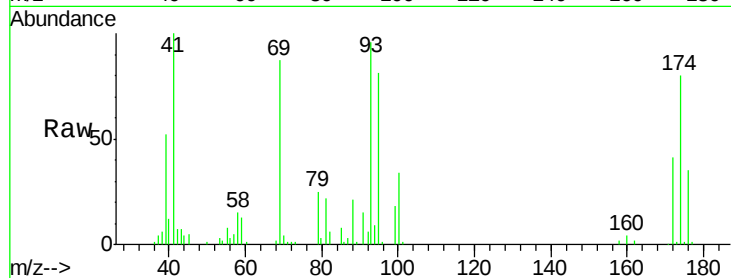




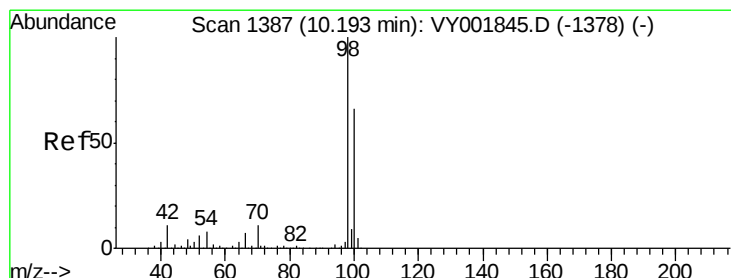
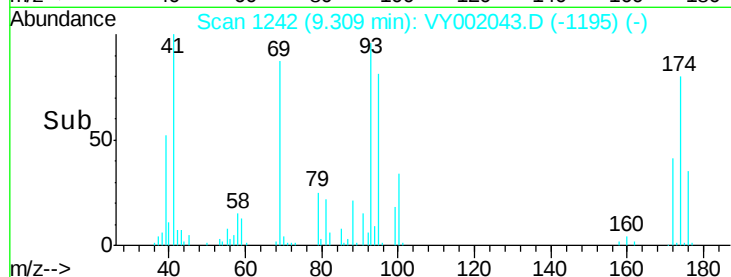
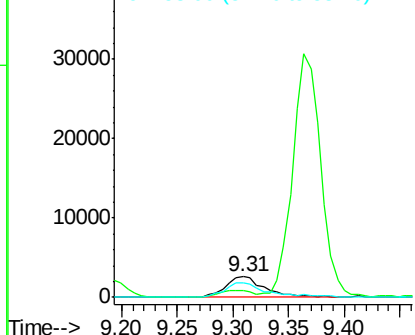
#49
1,4-Dioxane
Concen: 465.63 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion: 88 Resp: 6560
Ion Ratio Lower Upper
88 100
43 28.0 25.0 37.6
58 68.9 58.9 88.3

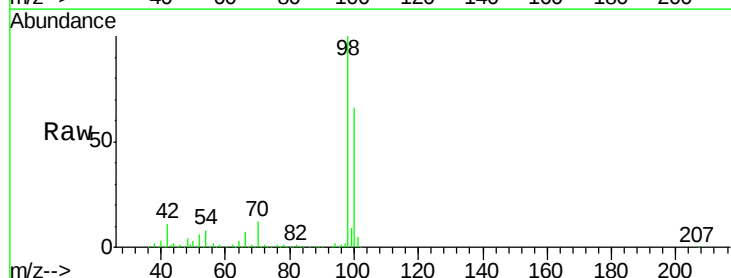


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

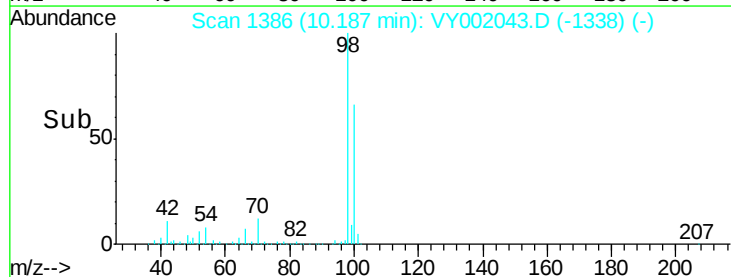
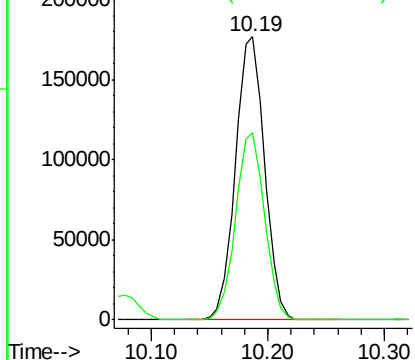


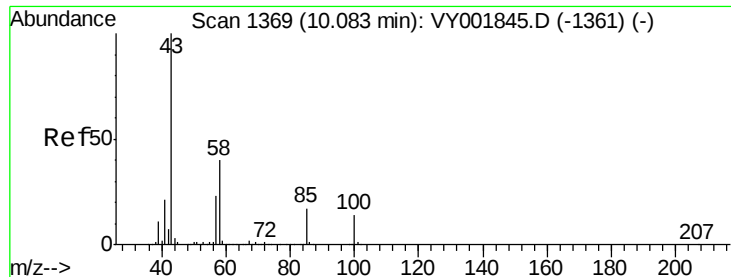
#50
Toluene-d8
Concen: 48.13 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 98 Resp: 308402
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

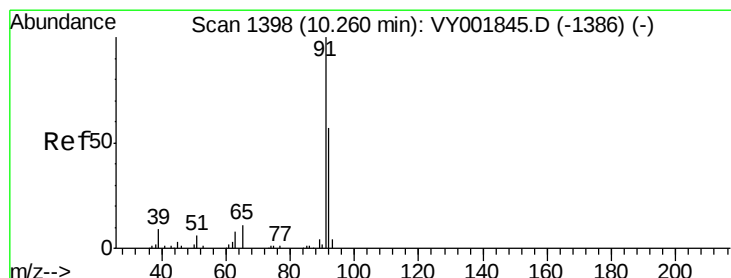
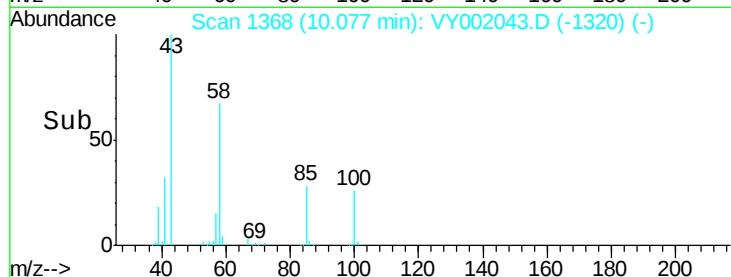
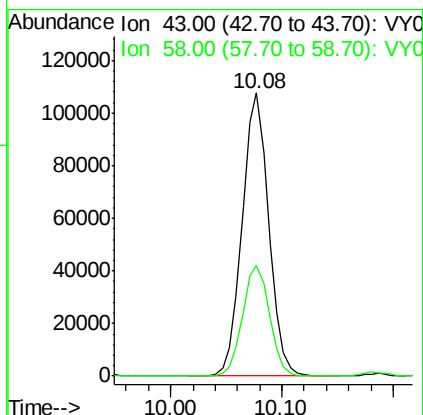
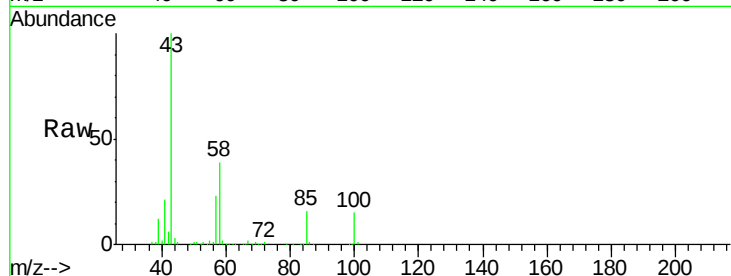




#51
 4-Methyl-2-Pentanone
 Concen: 117.29 ug/l
 RT: 10.08 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

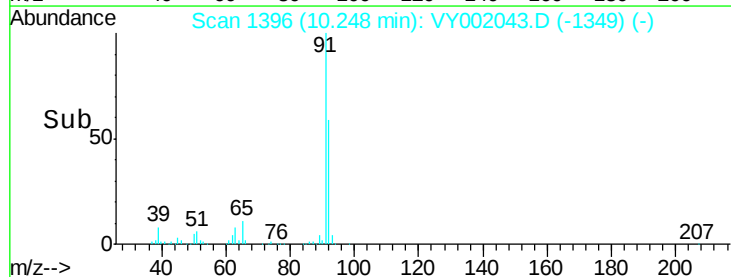
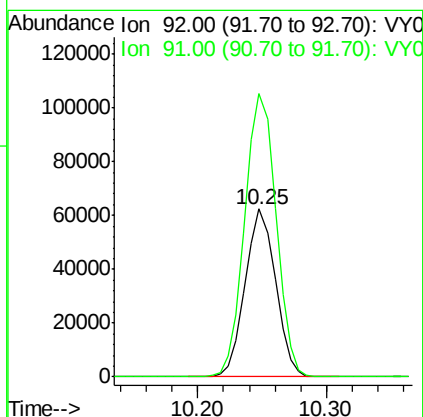
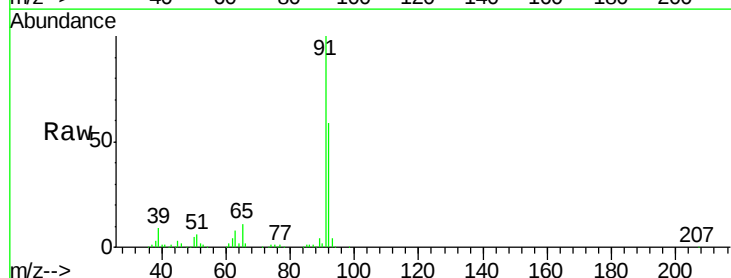
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

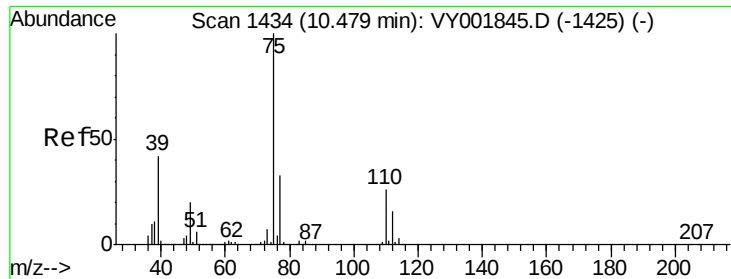
Tgt Ion: 43 Resp: 178008
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.0 48.0



#52
 Toluene
 Concen: 21.19 ug/l
 RT: 10.25 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 92 Resp: 102173
 Ion Ratio Lower Upper
 92 100
 91 173.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 22.52 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

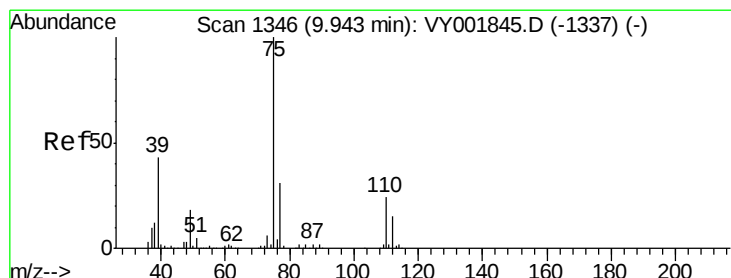
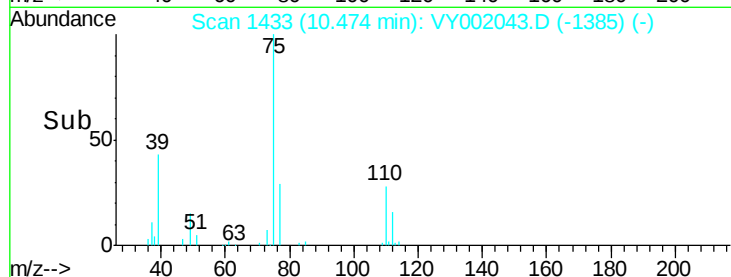
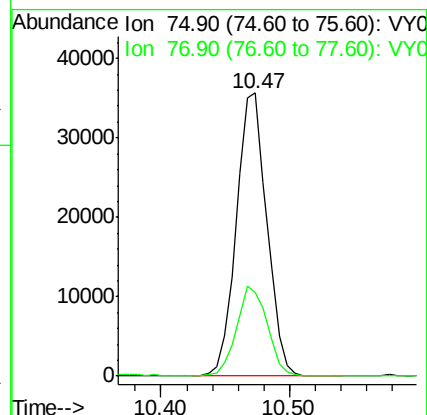
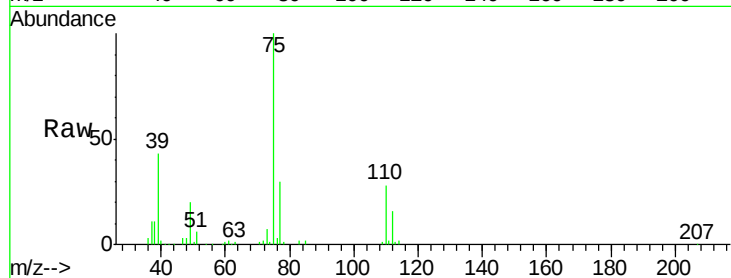
VY0324SBS01

Tgt Ion: 75 Resp: 58689

Ion Ratio Lower Upper

75 100

77 29.6 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 21.94 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

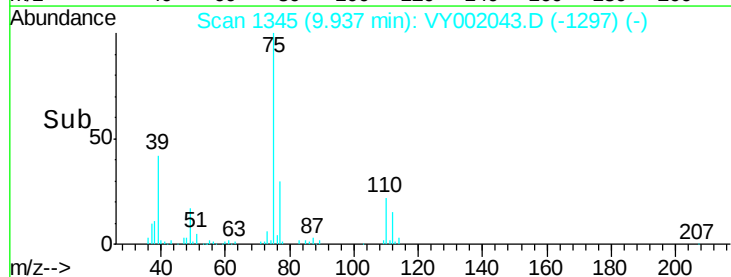
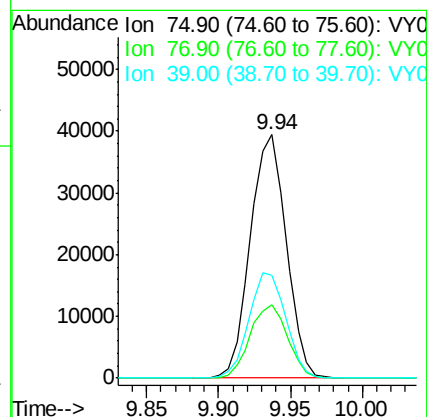
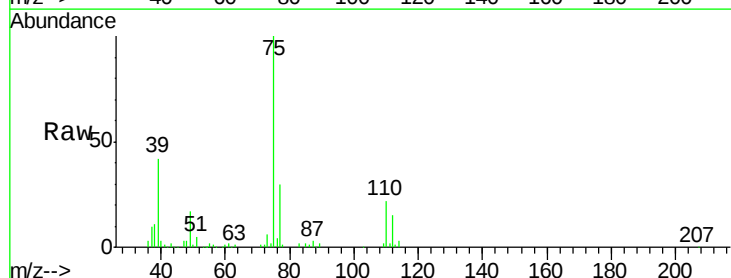
Tgt Ion: 75 Resp: 68067

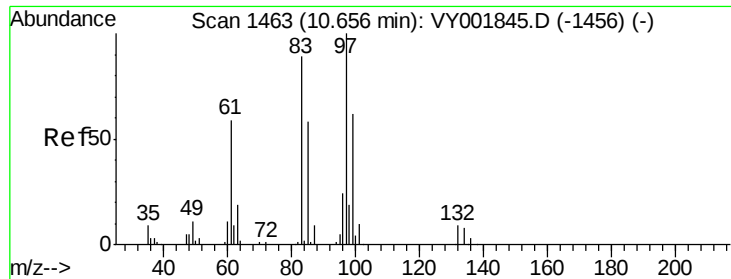
Ion Ratio Lower Upper

75 100

77 29.9 25.1 37.7

39 42.4 34.7 52.1

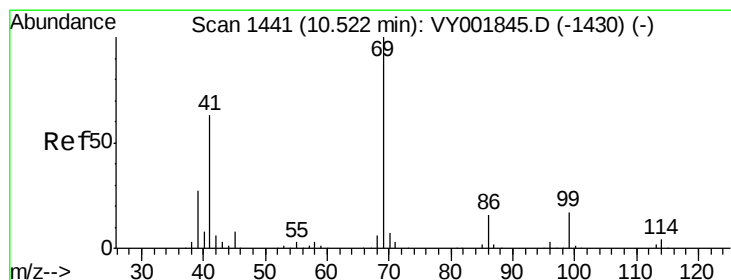
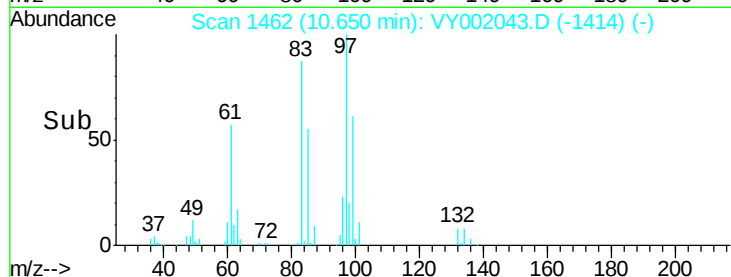
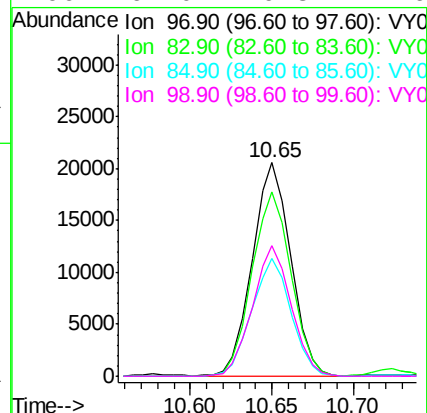
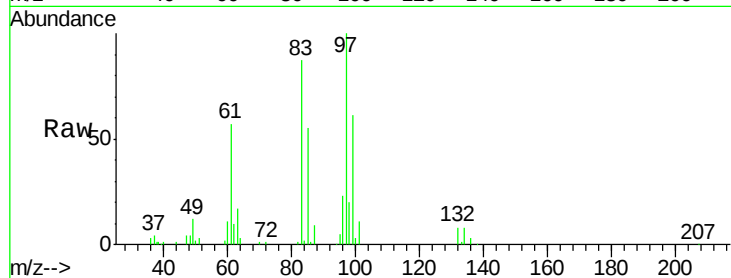




#55
 1,1,2-Trichloroethane
 Concen: 22.45 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

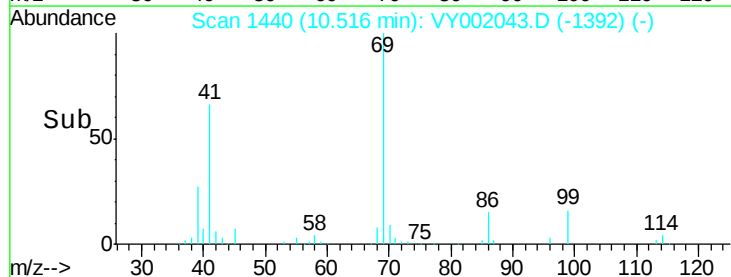
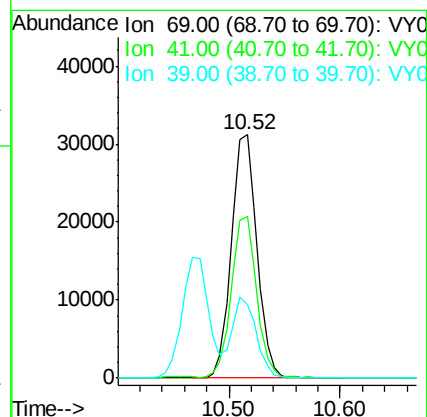
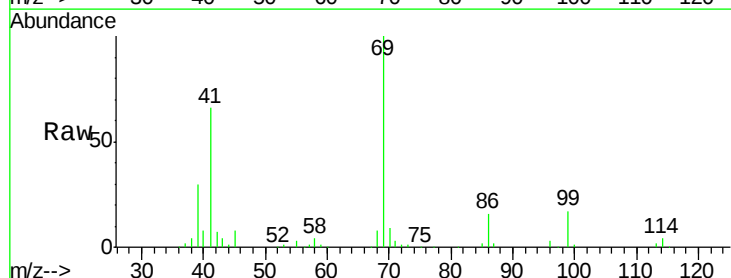
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

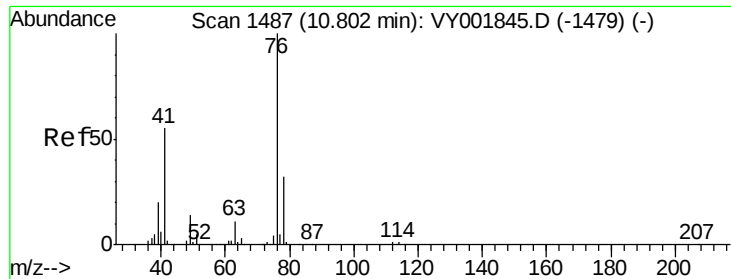
Tgt Ion: 97 Resp: 33777
 Ion Ratio Lower Upper
 97 100
 83 86.6 71.6 107.4
 85 55.4 46.6 69.8
 99 61.0 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 22.51 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 69 Resp: 49639
 Ion Ratio Lower Upper
 69 100
 41 66.2 49.9 74.9
 39 32.0 23.0 34.6

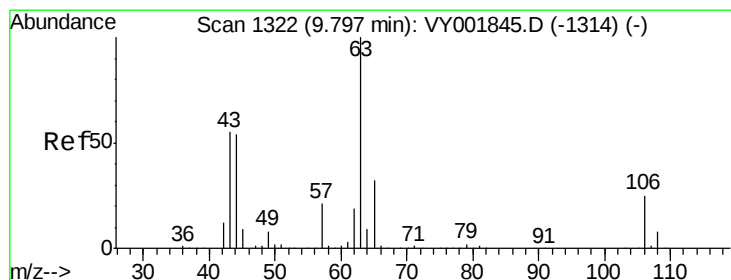
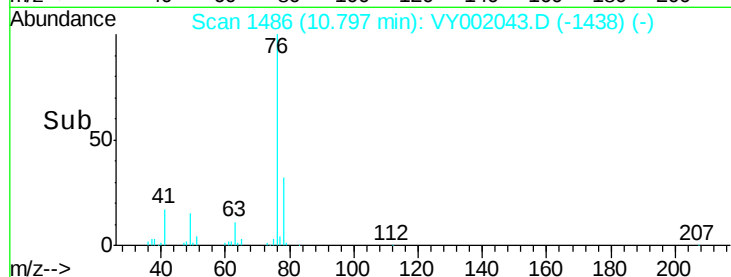
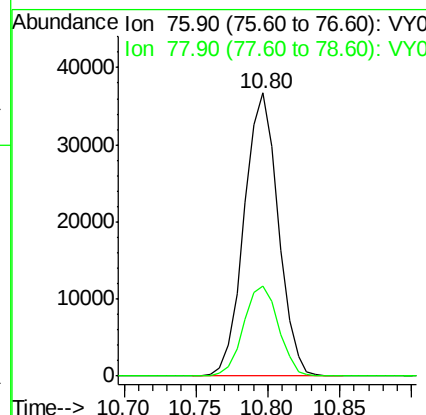
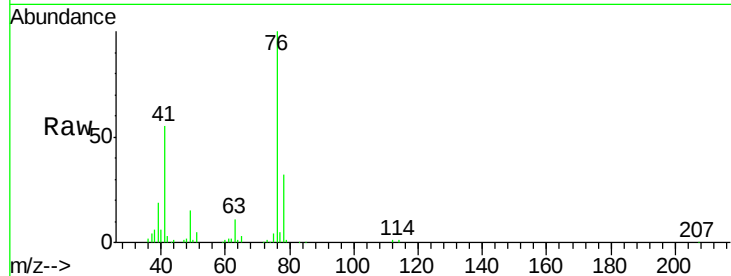




#57
 1,3-Dichloropropane
 Concen: 22.40 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

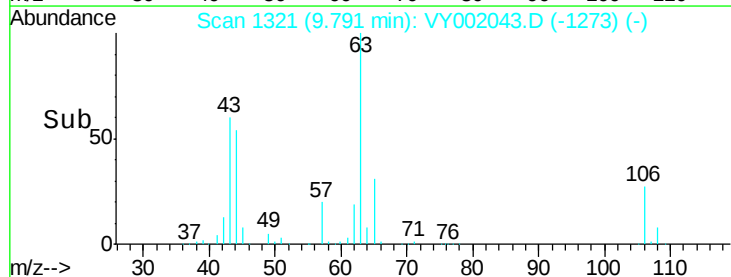
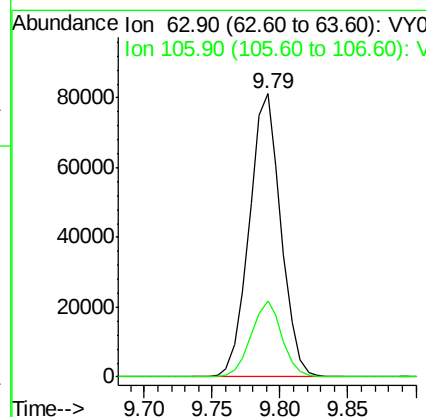
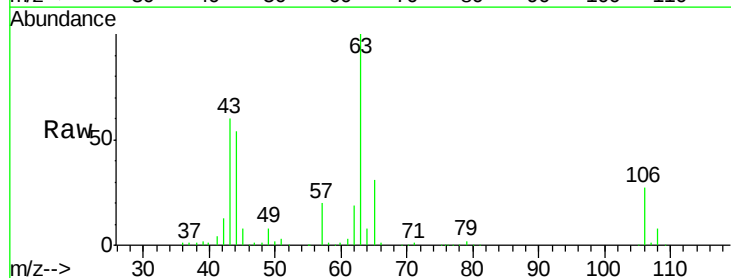
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

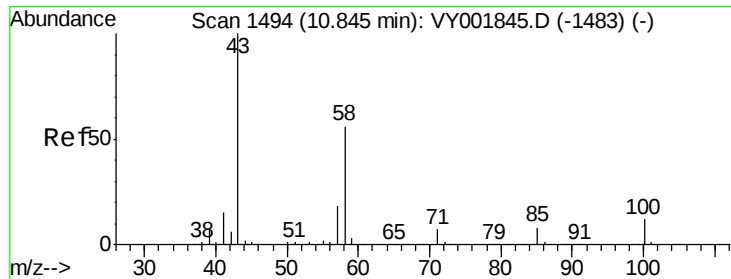
Tgt Ion: 76 Resp: 60082
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 159.35 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 63 Resp: 131846
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9

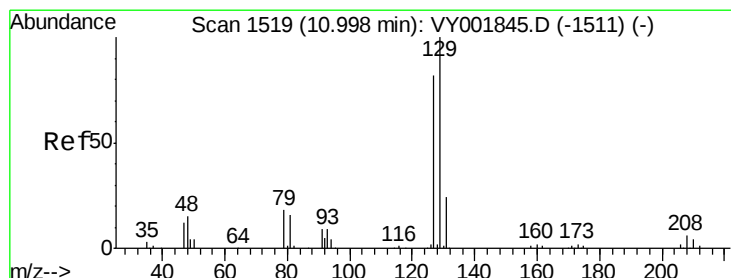
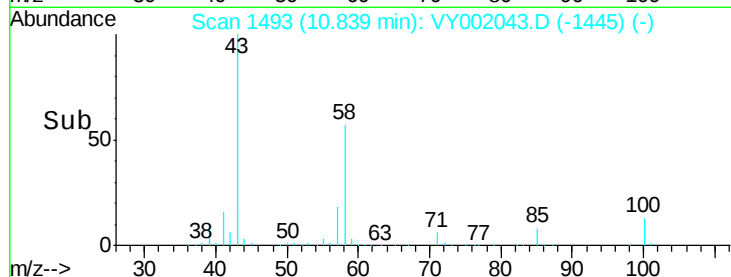
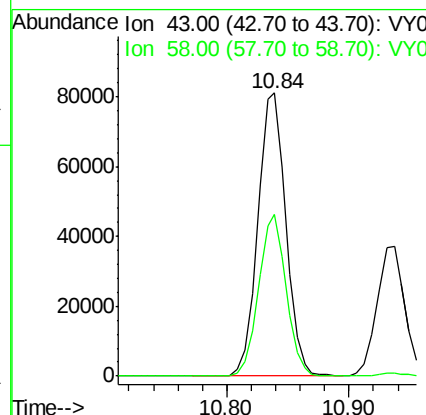
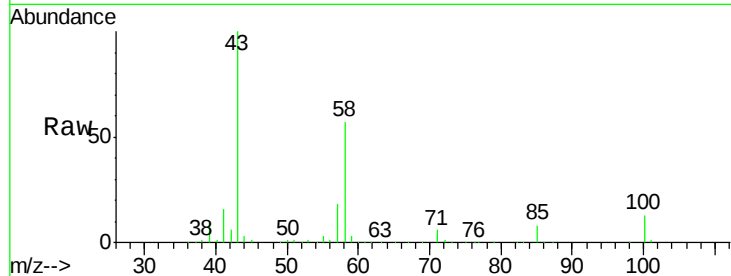




#59
2-Hexanone
Concen: 119.87 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

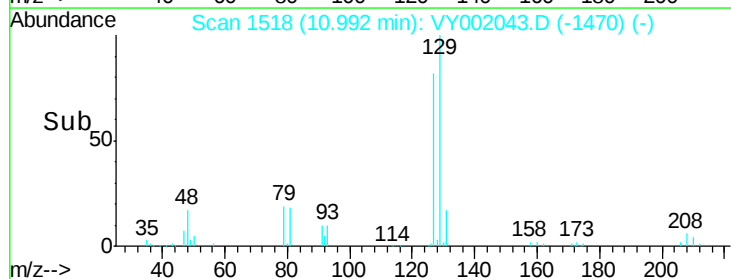
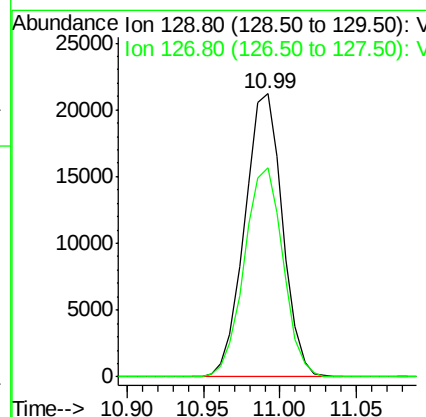
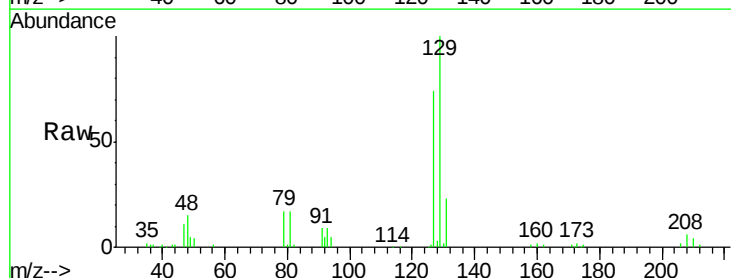
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion: 43 Resp: 129847
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3



#60
Dibromochloromethane
Concen: 22.90 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 129 Resp: 36315
Ion Ratio Lower Upper
129 100
127 75.8 39.0 117.0

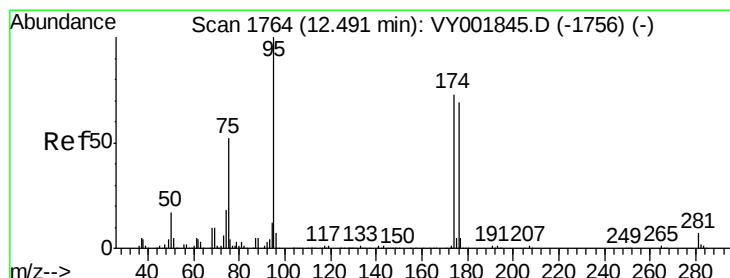
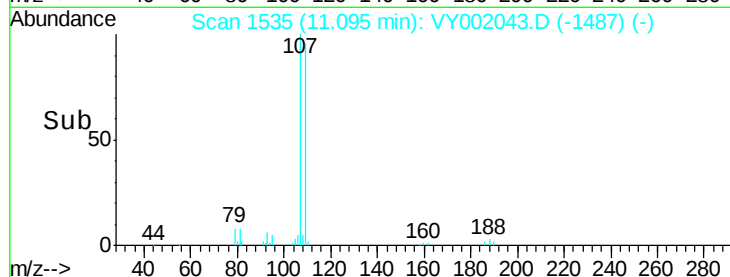
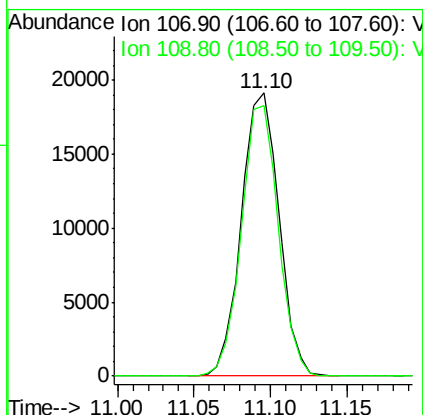
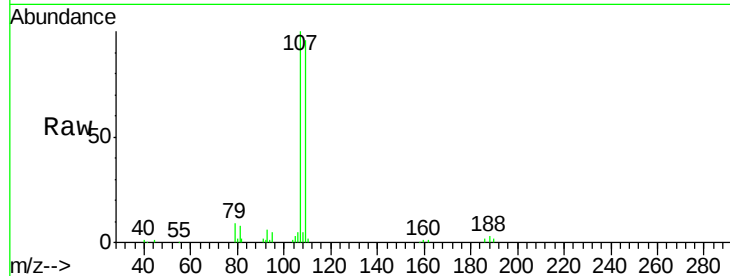




#61
 1,2-Dibromoethane
 Concen: 22.98 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

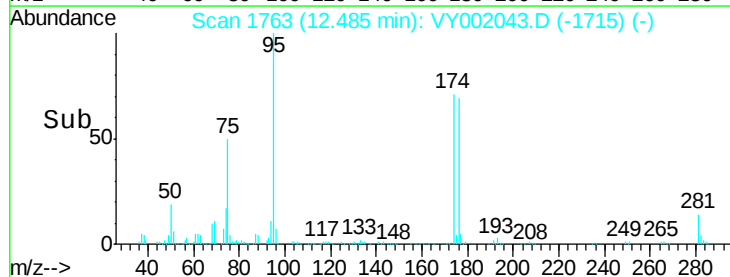
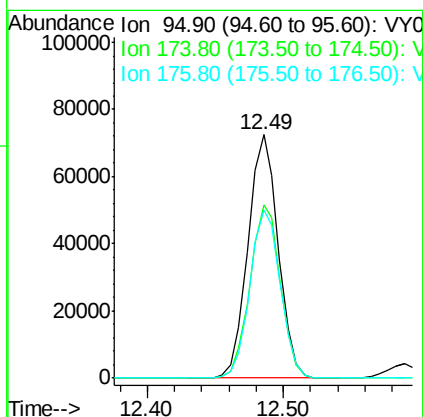
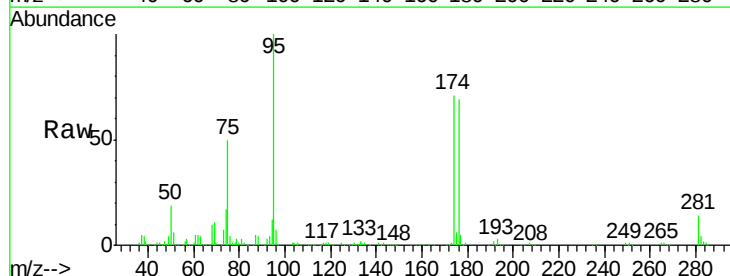
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

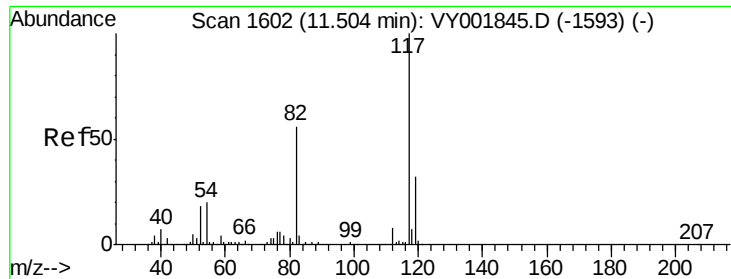
Tgt Ion: 107 Resp: 32755
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.67 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 95 Resp: 112882
 Ion Ratio Lower Upper
 95 100
 174 71.5 0.0 145.0
 176 69.6 0.0 137.4

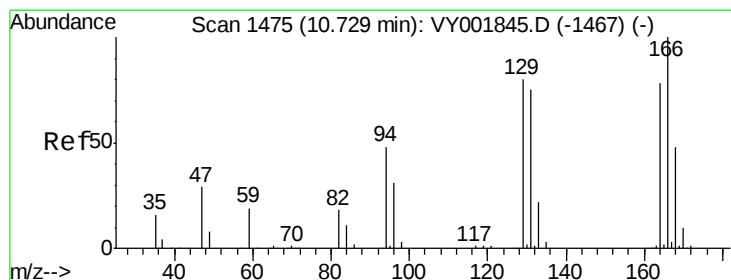
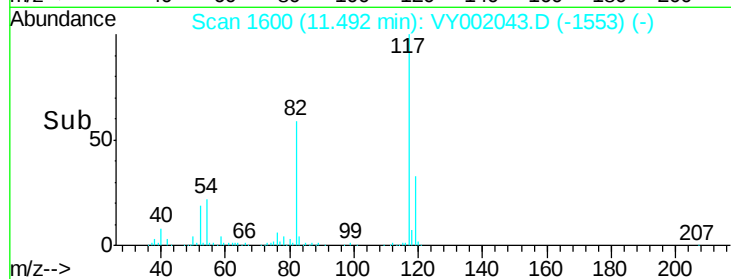
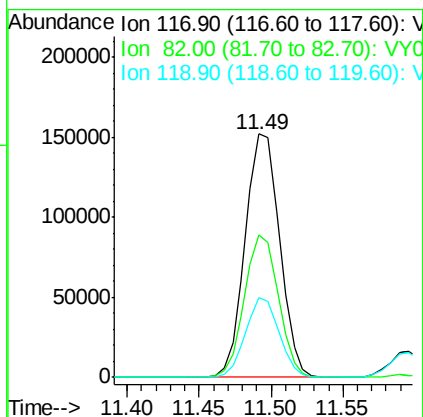
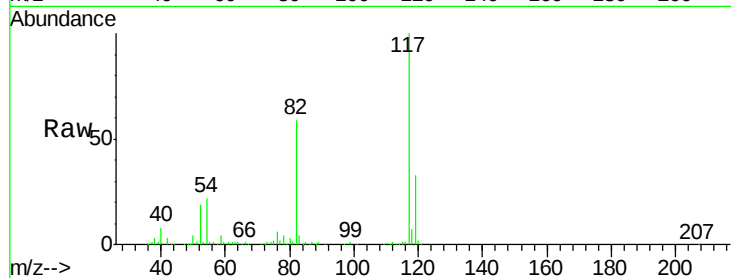




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

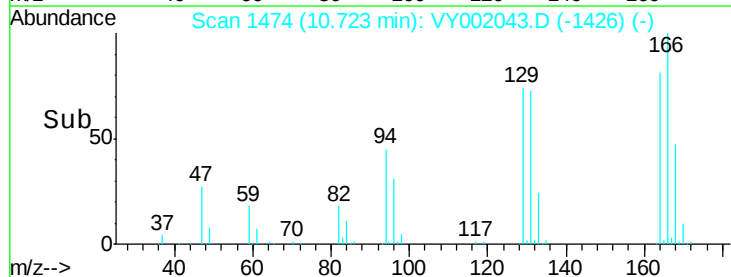
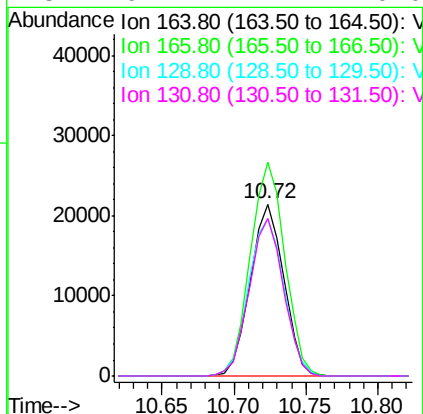
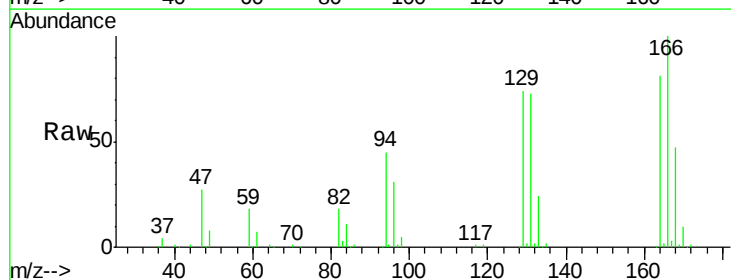
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion:117 Resp: 251928
Ion Ratio Lower Upper
117 100
82 58.5 44.5 66.7
119 32.7 25.7 38.5



#64
Tetrachloroethene
Concen: 21.86 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion:164 Resp: 34534
Ion Ratio Lower Upper
164 100
166 124.2 102.6 154.0
129 91.3 82.3 123.5
131 91.2 77.4 116.0

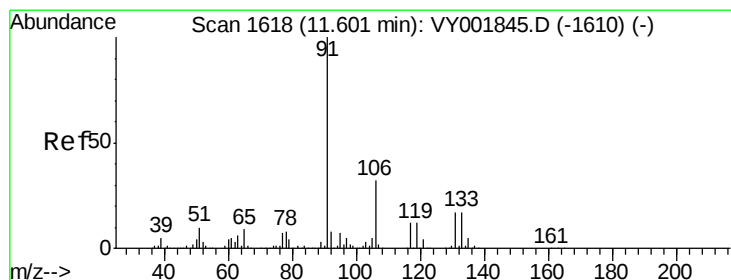
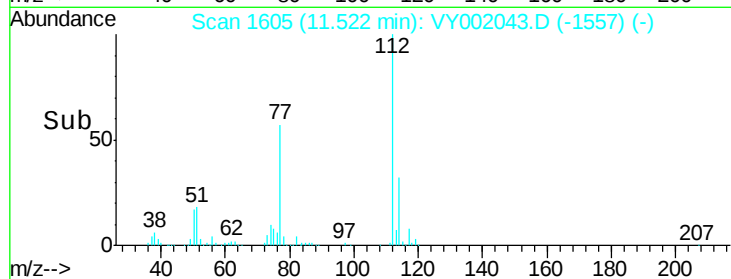
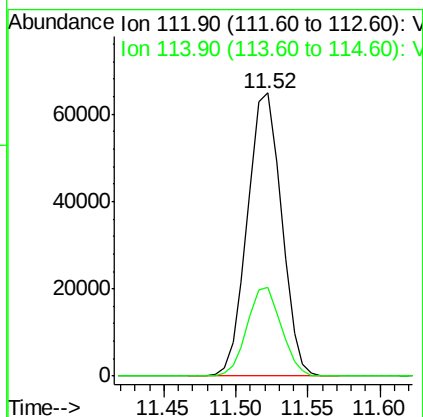
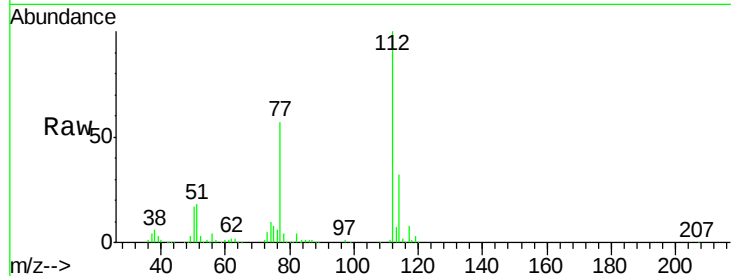




#65
Chlorobenzene
Concen: 21.21 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

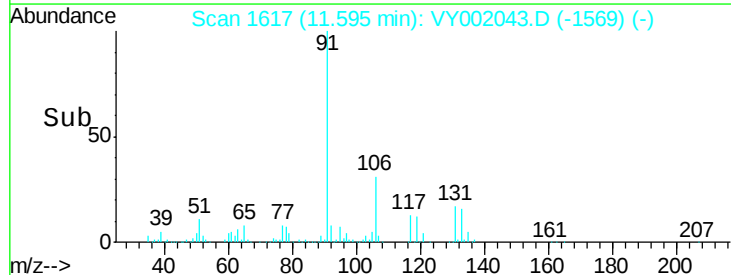
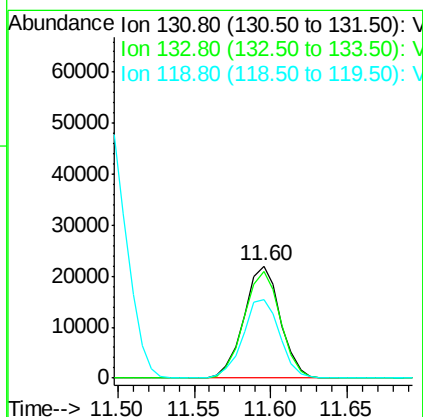
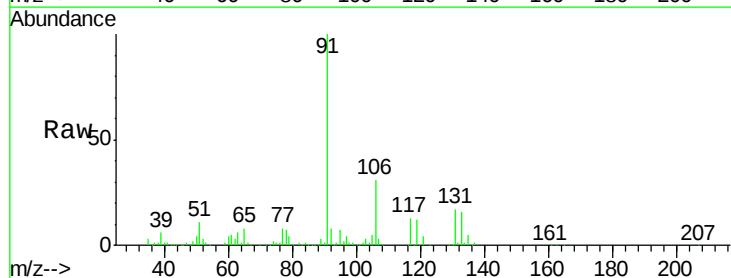
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

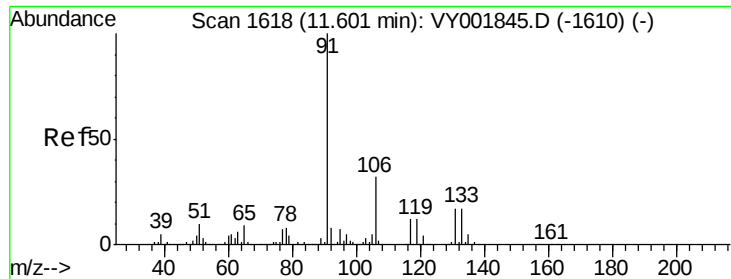
Tgt Ion:112 Resp: 106452
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.98 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion:131 Resp: 36188
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.3
119 71.0 34.5 103.6

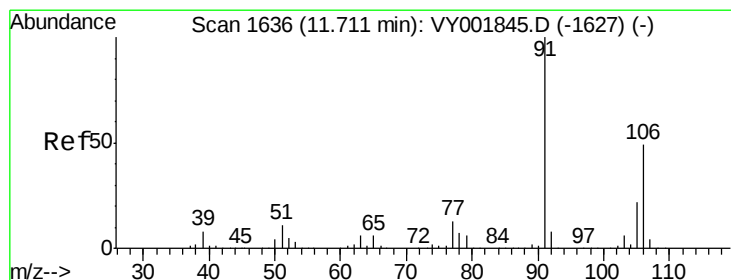
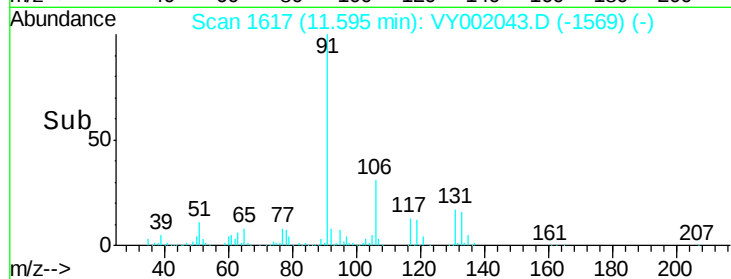
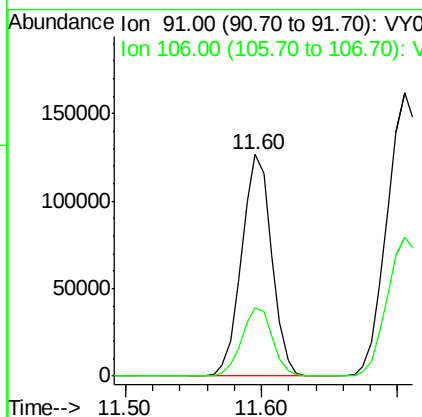
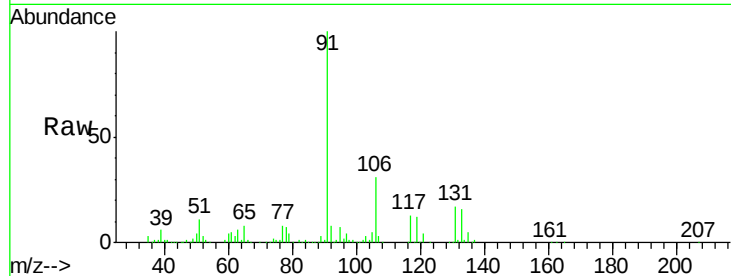




#67
Ethyl Benzene
Concen: 20.92 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

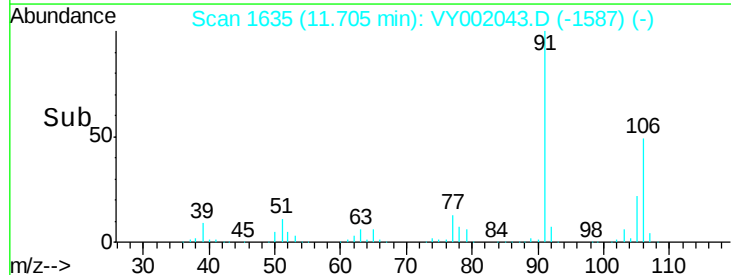
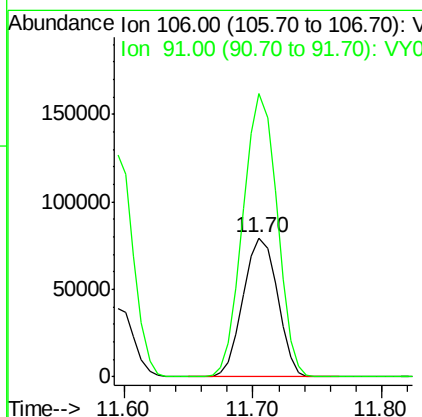
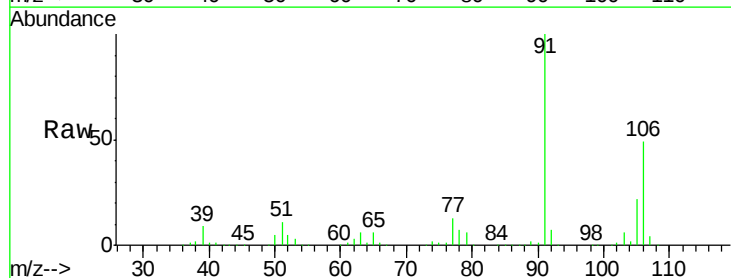
Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

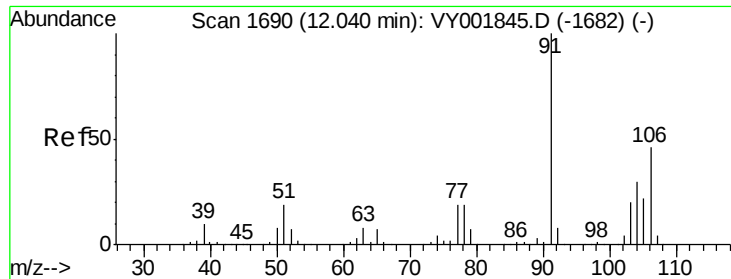
Tgt Ion: 91 Resp: 195888
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2



#68
m/p-Xylenes
Concen: 42.44 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion: 106 Resp: 146892
Ion Ratio Lower Upper
106 100
91 202.5 161.3 241.9

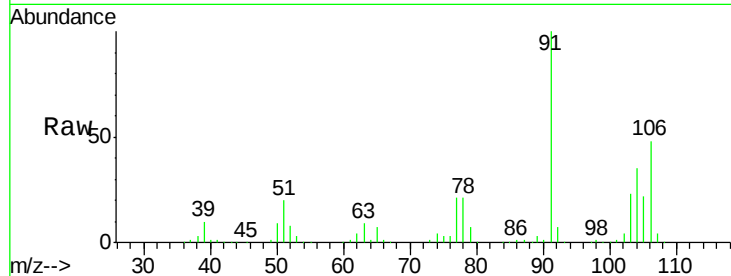




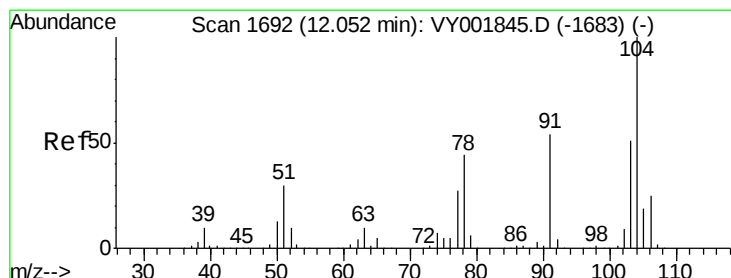
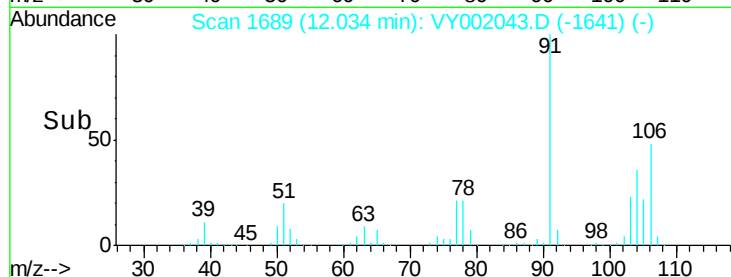
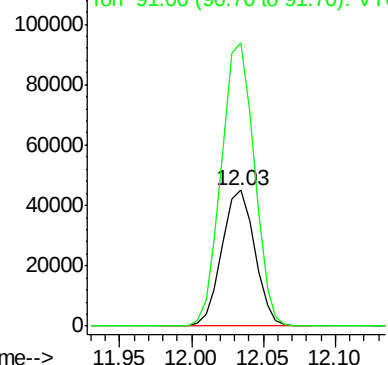
#69
o-Xylene
Concen: 21.78 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion:106 Resp: 71041
Ion Ratio Lower Upper
106 100
91 209.3 106.8 320.4

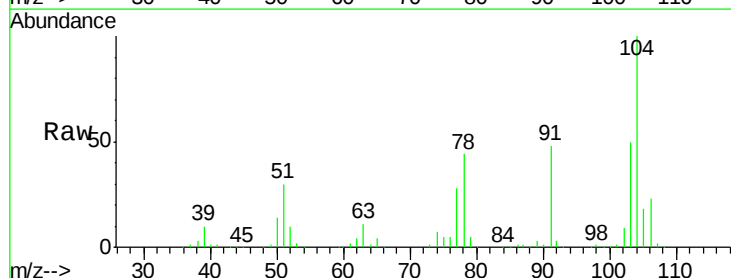


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

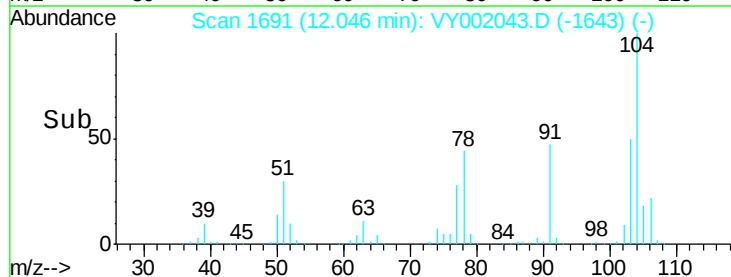
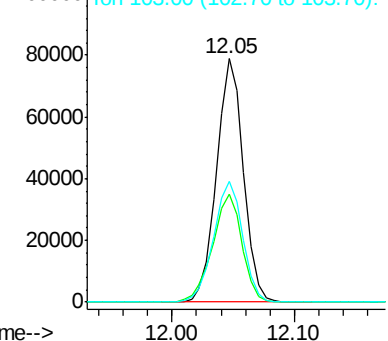


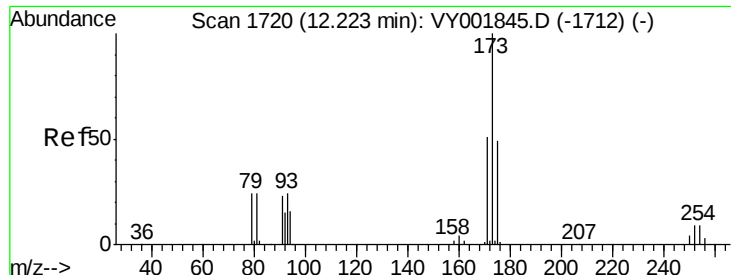
#70
Styrene
Concen: 21.46 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion:104 Resp: 119882
Ion Ratio Lower Upper
104 100
78 48.5 38.5 57.7
103 53.9 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V

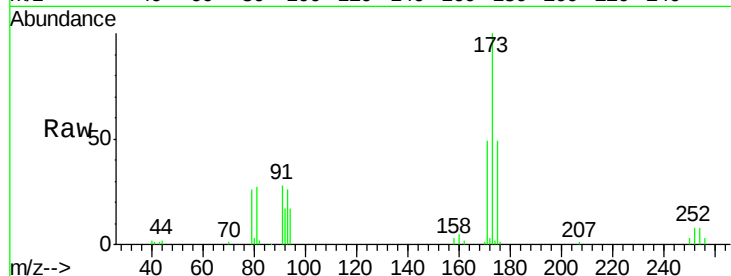




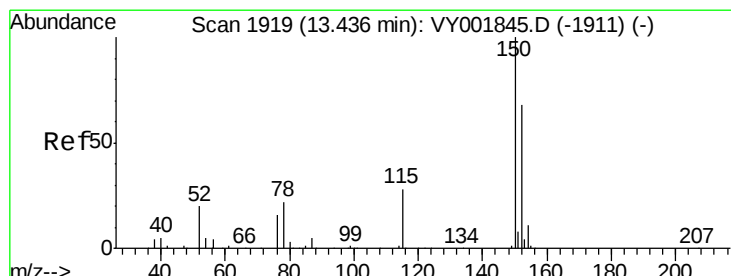
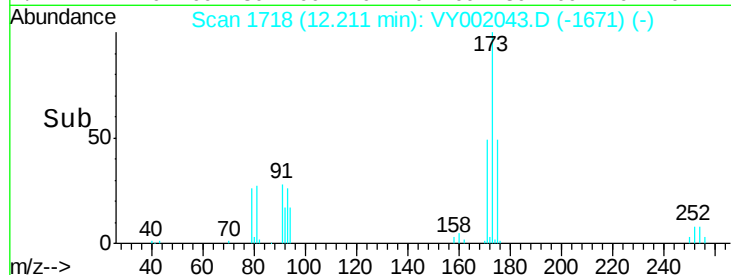
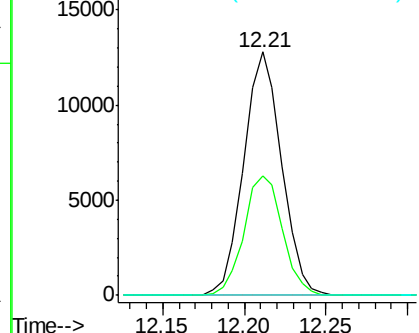
#71
Bromoform
Concen: 23.17 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0324SBS01

Tgt Ion:173 Resp: 20682
Ion Ratio Lower Upper
173 100
175 49.8 24.3 72.8
254 0.0 0.0 0.0

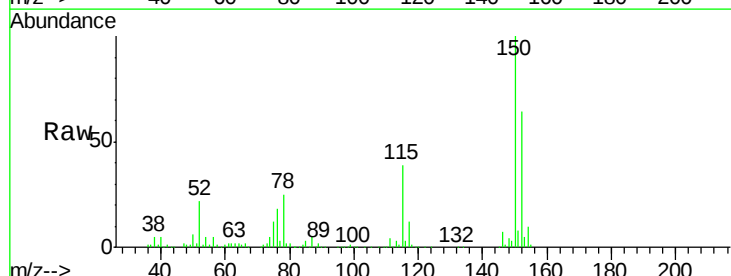


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

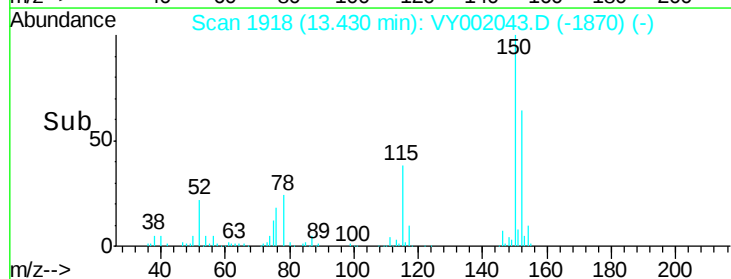
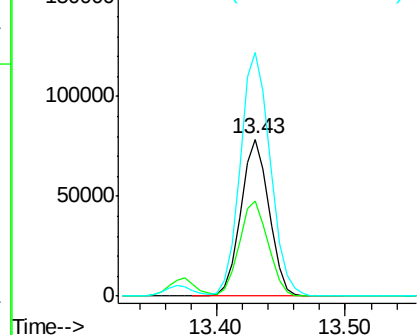


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY002043.D
Acq: 24 Mar 2020 12:28

Tgt Ion:152 Resp: 118780
Ion Ratio Lower Upper
152 100
115 61.8 29.9 89.7
150 165.9 0.0 340.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.79 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

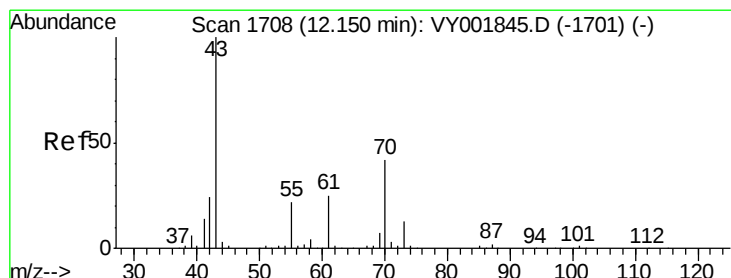
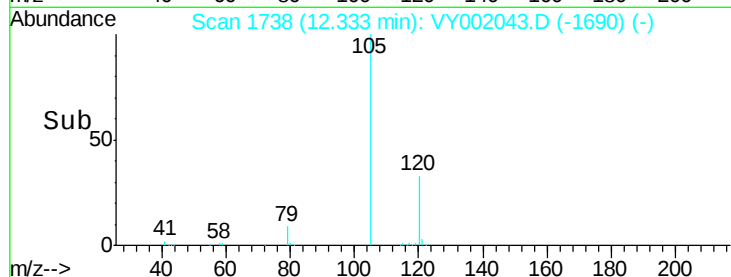
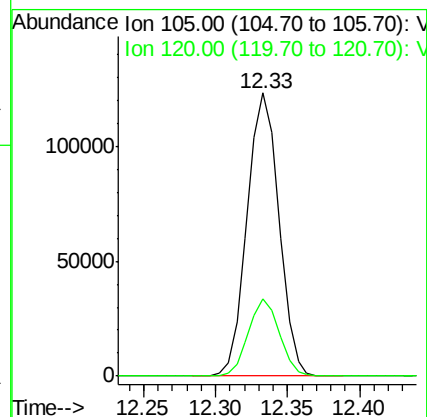
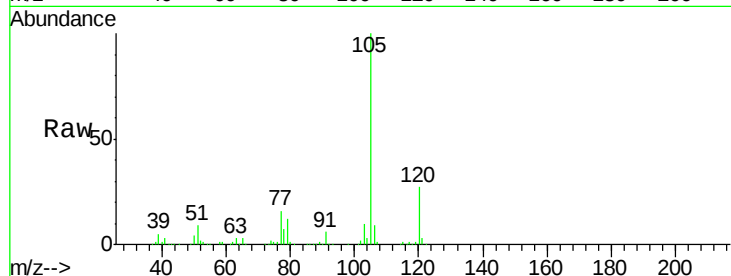
VY0324SBS01

Tgt Ion:105 Resp: 188529

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 22.24 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Tgt Ion: 43 Resp: 61978

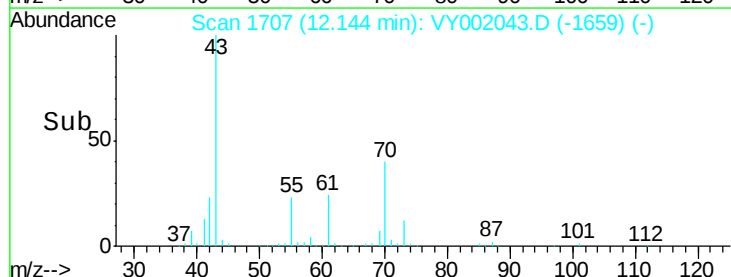
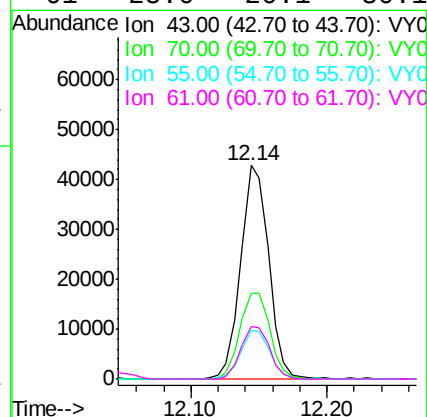
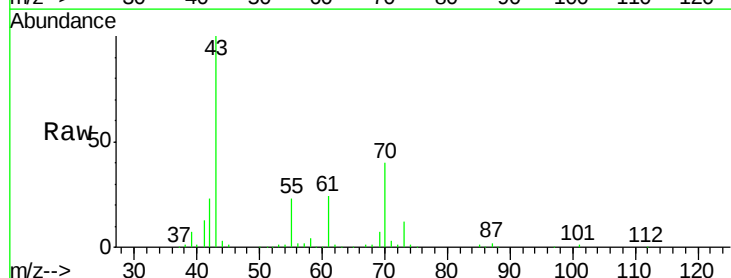
Ion Ratio Lower Upper

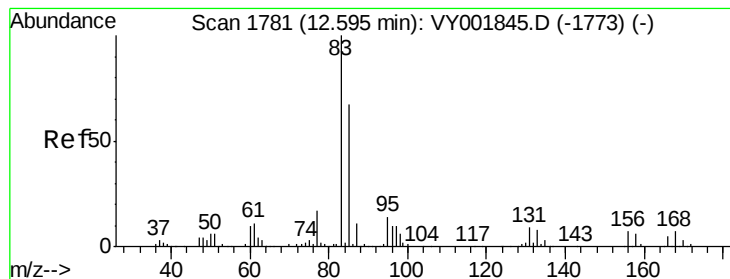
43 100

70 43.3 34.7 52.1

55 23.6 18.2 27.4

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.18 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

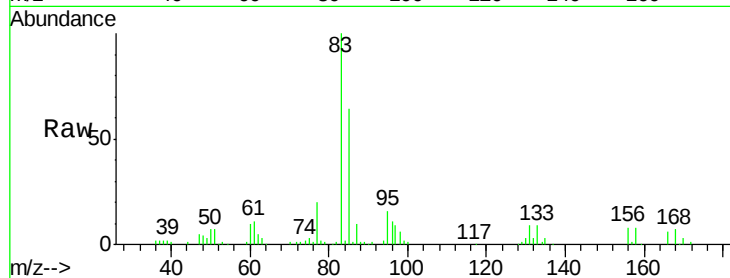
Tgt Ion: 83 Resp: 43361

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

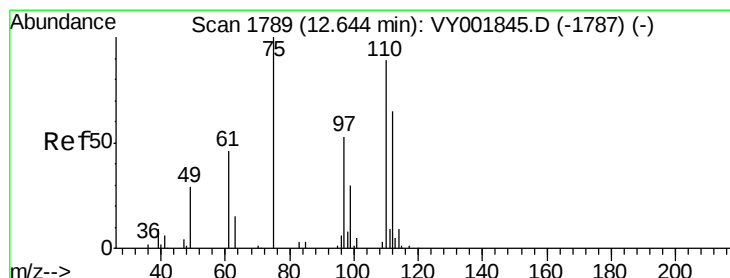
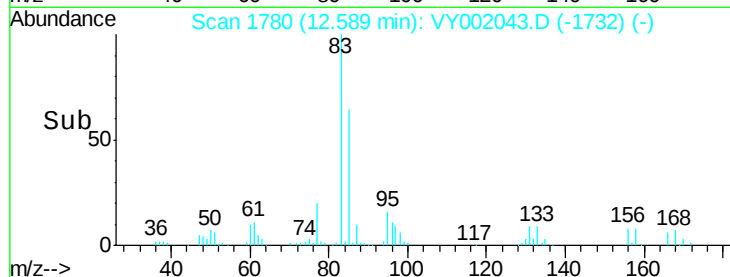
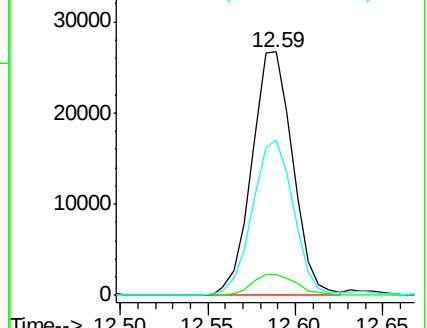
85 63.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 40.03 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY002043.D

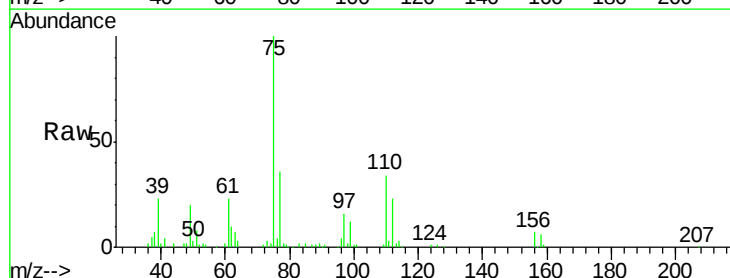
Acq: 24 Mar 2020 12:28

Tgt Ion: 75 Resp: 56414

Ion Ratio Lower Upper

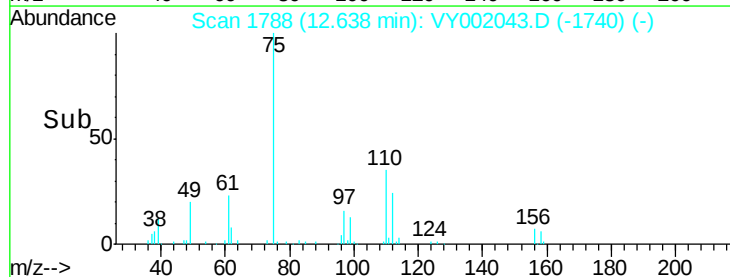
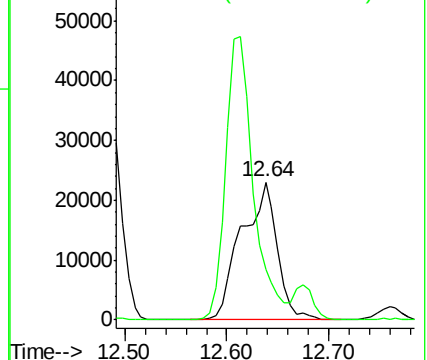
75 100

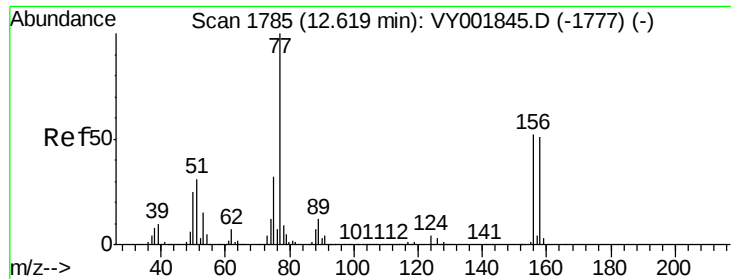
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 22.13 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

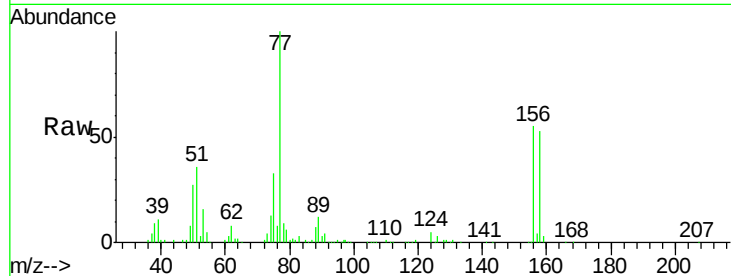
Tgt Ion:156 Resp: 42511

Ion Ratio Lower Upper

156 100

77 208.2 109.0 327.0

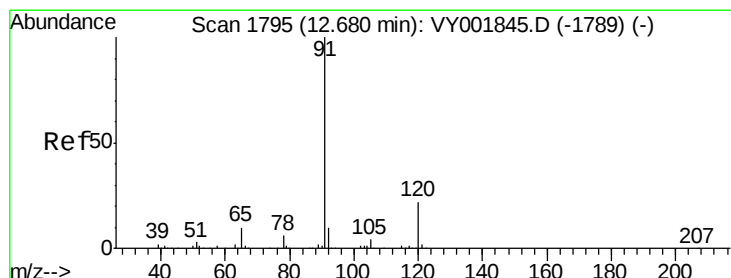
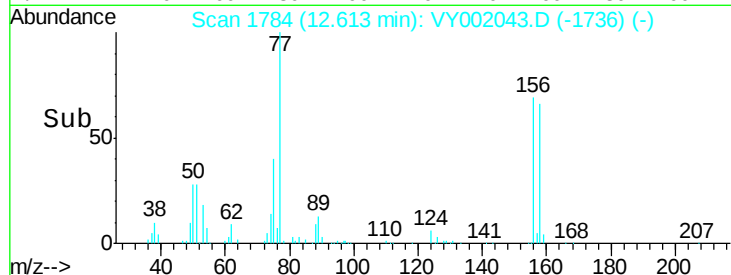
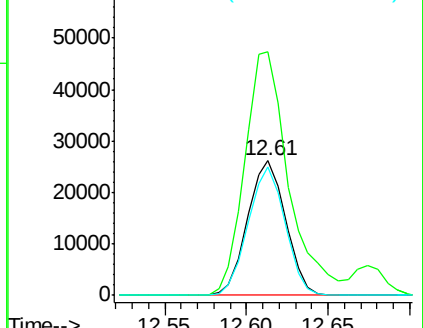
158 93.1 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.76 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY002043.D

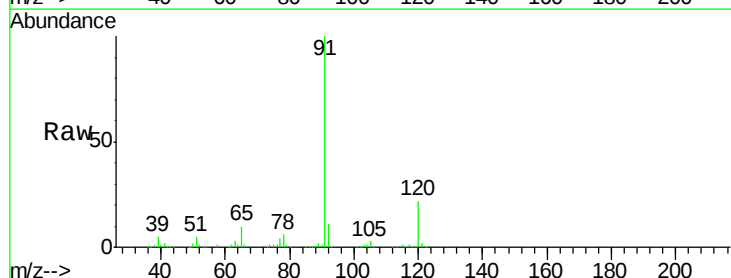
Acq: 24 Mar 2020 12:28

Tgt Ion: 91 Resp: 232189

Ion Ratio Lower Upper

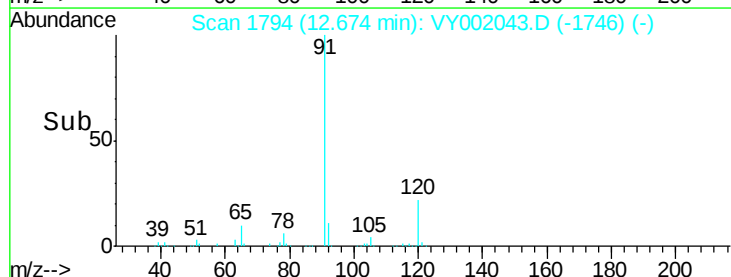
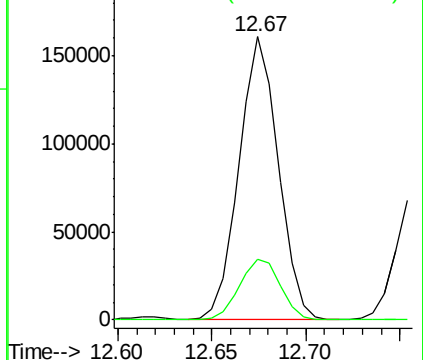
91 100

120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.73 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

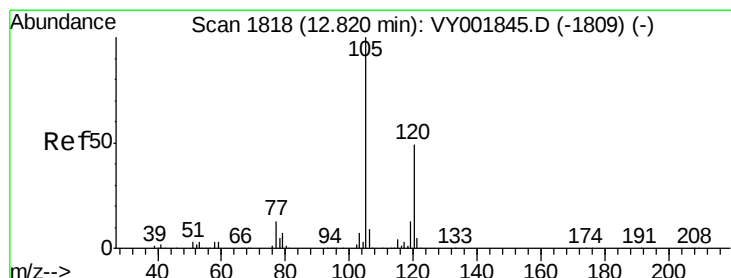
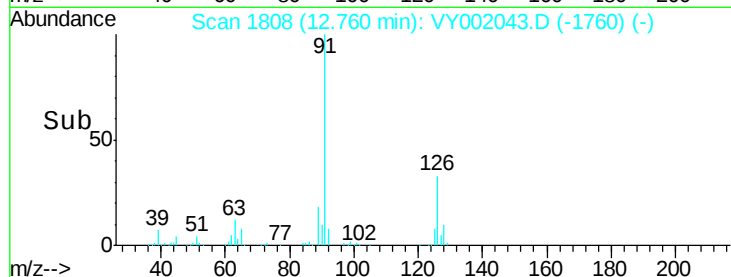
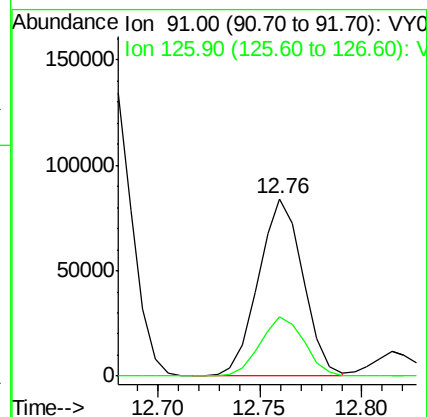
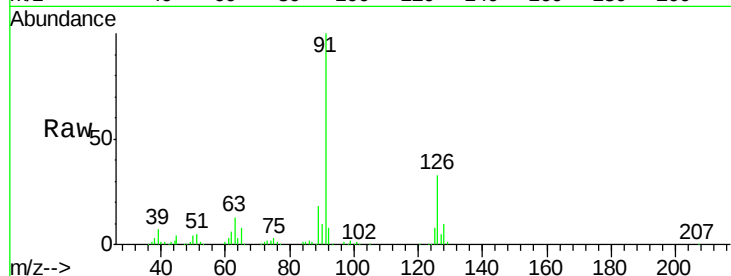
VY0324SBS01

Tgt Ion: 91 Resp: 128119

Ion Ratio Lower Upper

91 100

126 33.0 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 21.01 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002043.D

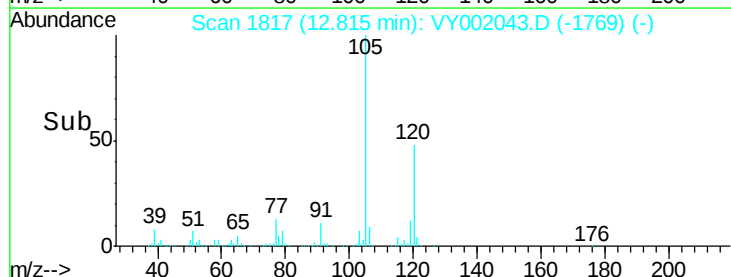
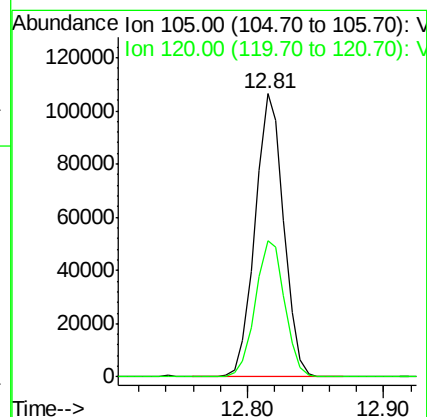
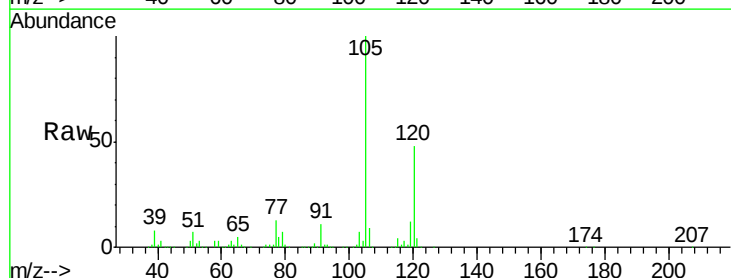
Acq: 24 Mar 2020 12:28

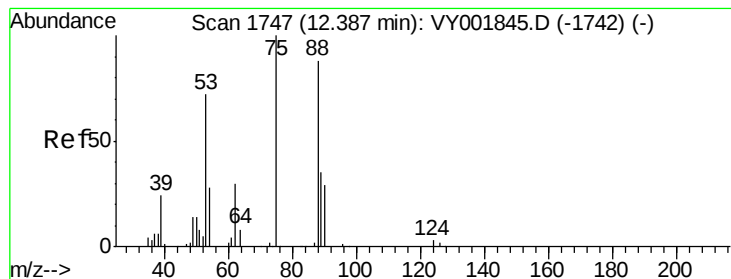
Tgt Ion: 105 Resp: 156799

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.18 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

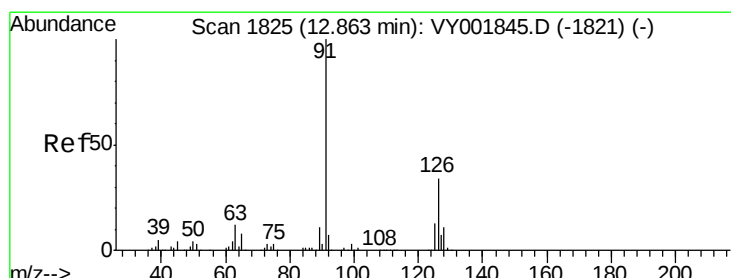
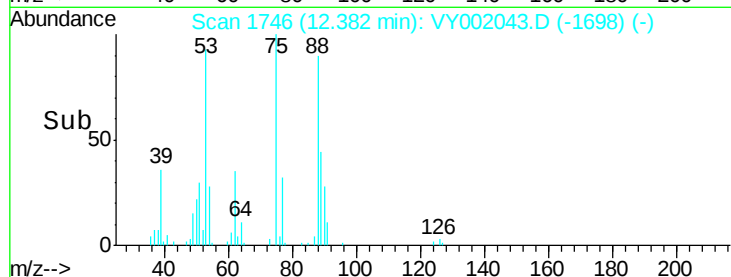
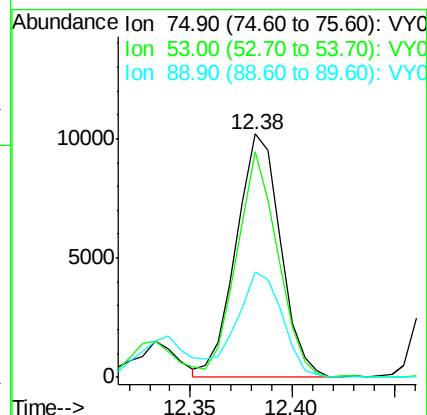
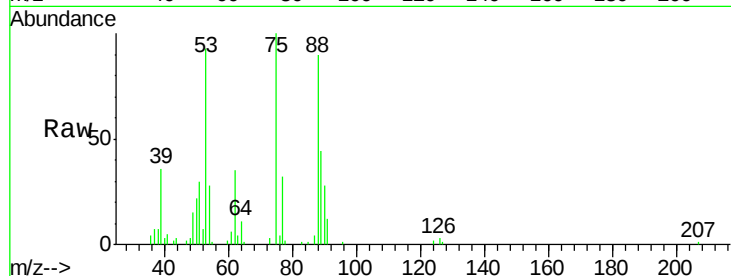
Tgt Ion: 75 Resp: 15478

Ion Ratio Lower Upper

75 100

53 85.3 65.4 98.0

89 44.2 36.0 54.0



#82

4-Chlorotoluene

Concen: 21.09 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY002043.D

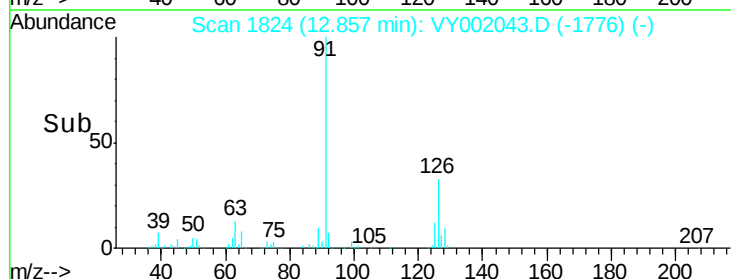
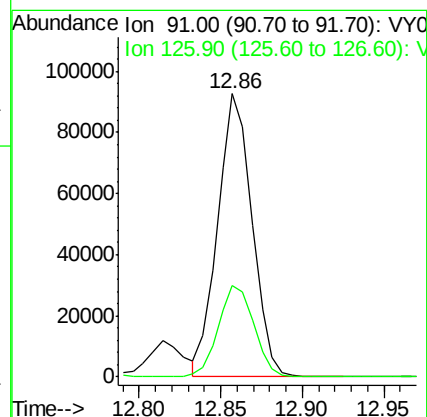
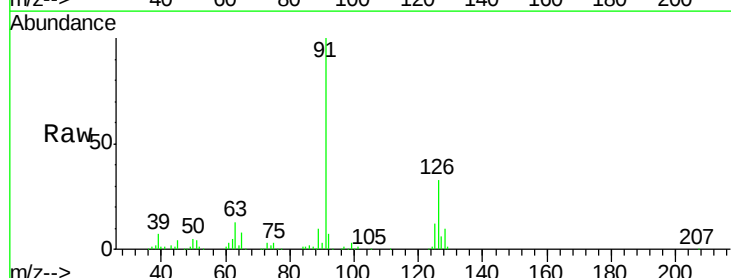
Acq: 24 Mar 2020 12:28

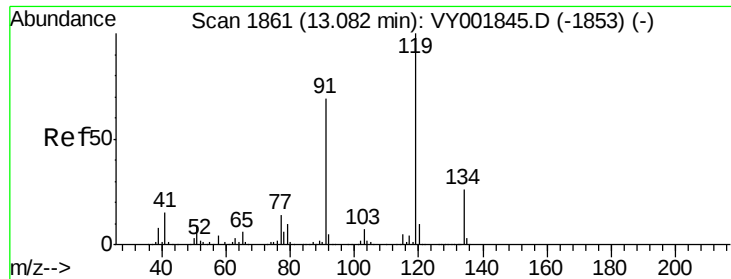
Tgt Ion: 91 Resp: 135742

Ion Ratio Lower Upper

91 100

126 33.5 16.4 49.2

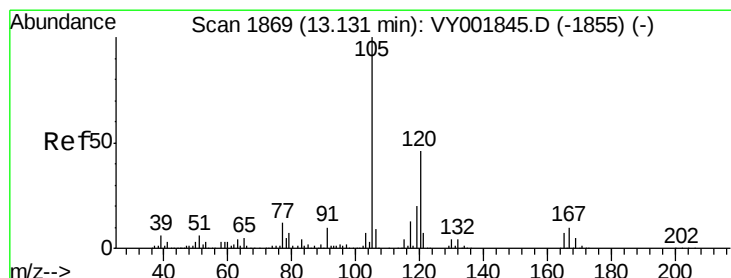
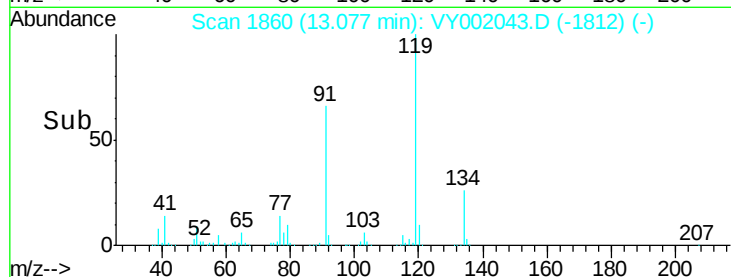
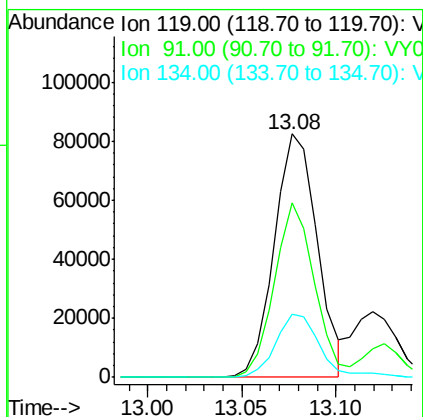
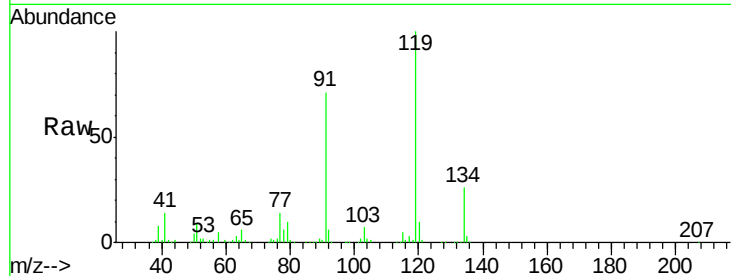




#83
 tert-Butylbenzene
 Concen: 21.04 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

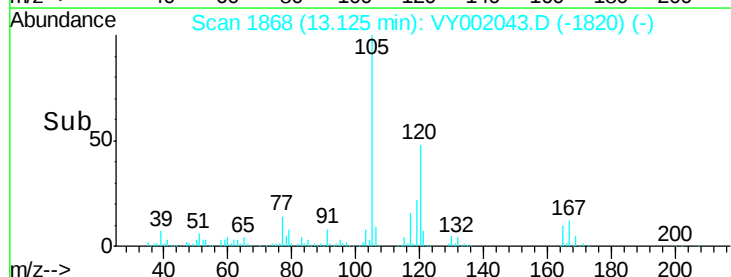
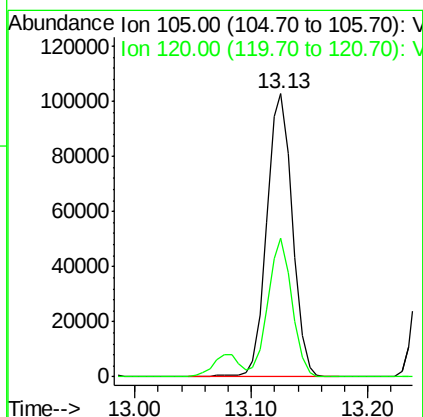
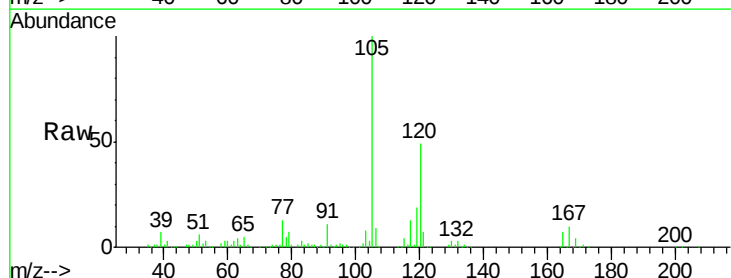
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

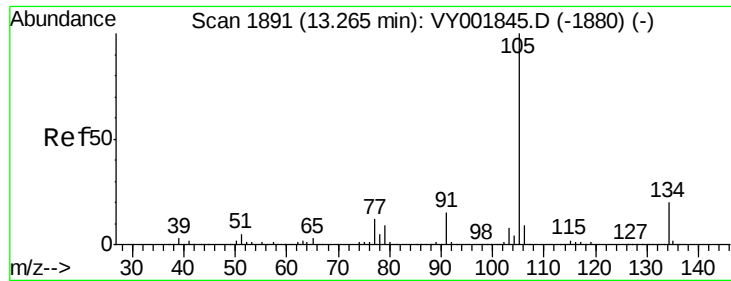
Tgt Ion:119 Resp: 130443
 Ion Ratio Lower Upper
 119 100
 91 67.1 34.0 101.8
 134 27.2 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.19 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion:105 Resp: 156960
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.6 67.7

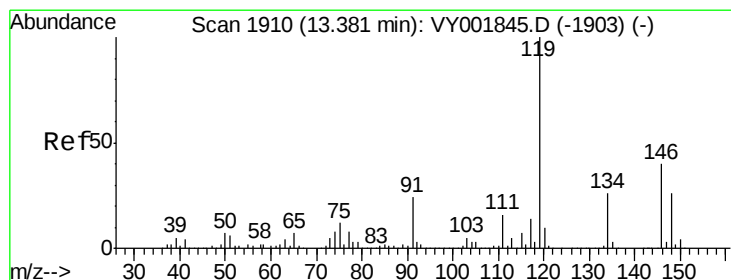
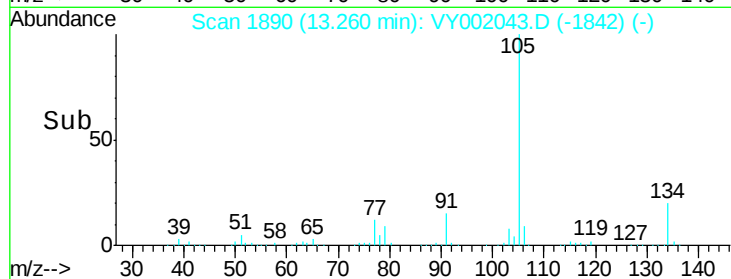
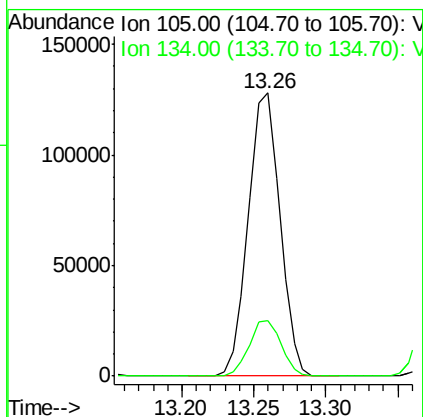
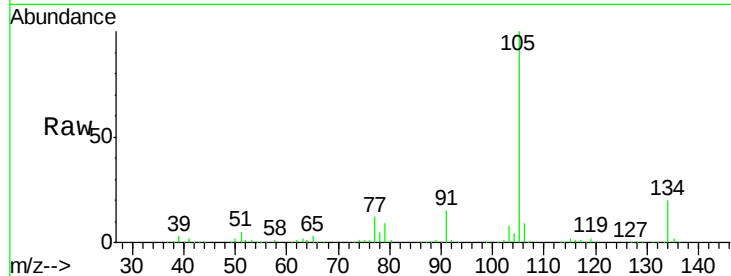




#85
 sec-Butylbenzene
 Concen: 21.36 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

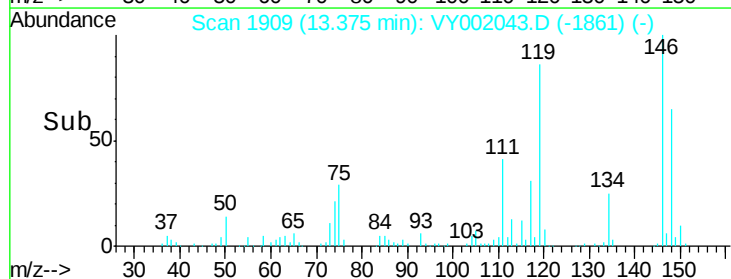
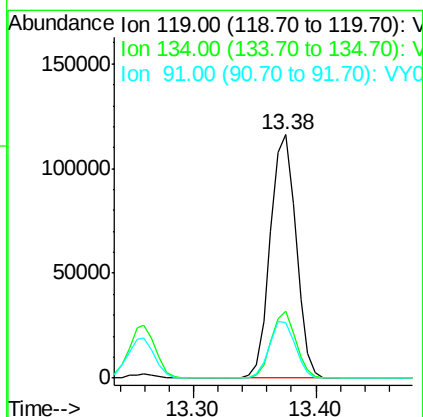
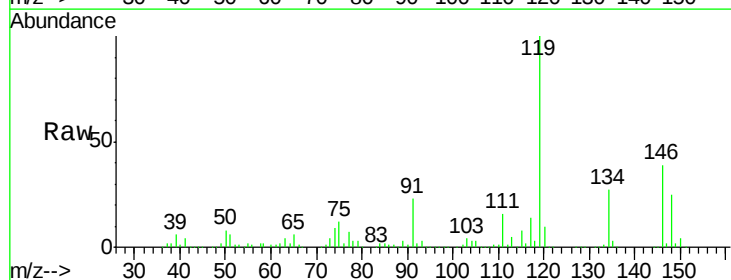
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

Tgt Ion:105 Resp: 195171
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 21.59 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion:119 Resp: 170174
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 23.6 11.9 35.7

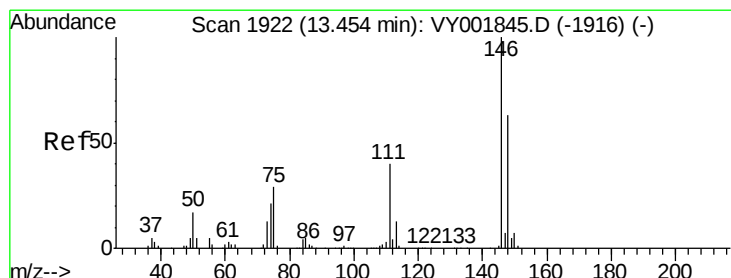
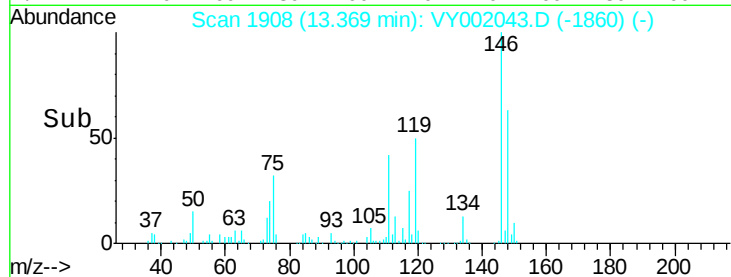
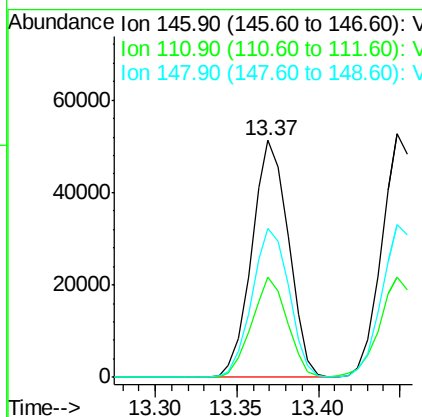
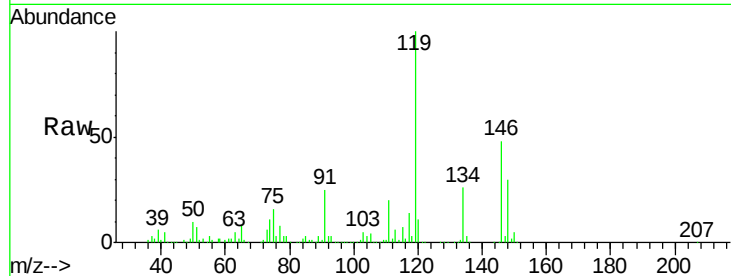




#87
 1,3-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

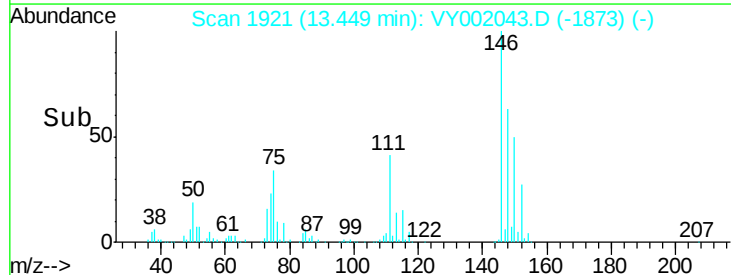
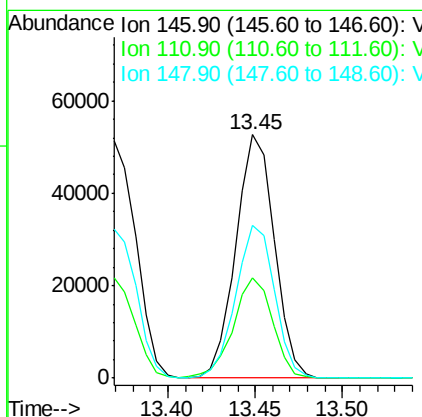
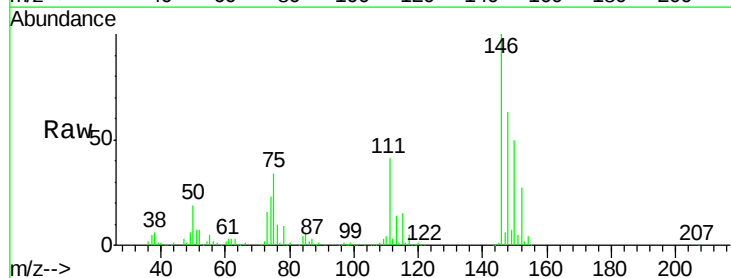
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

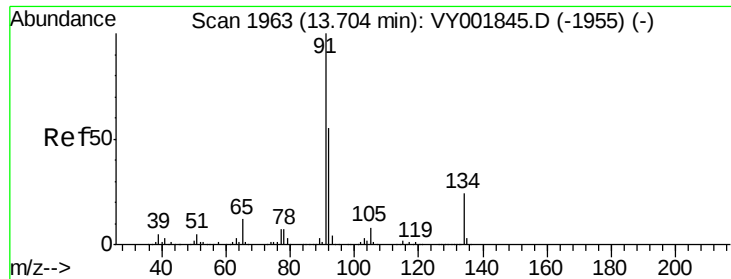
Tgt Ion:146 Resp: 80470
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.5
 148 63.5 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 21.24 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion:146 Resp: 81135
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.0 60.0
 148 63.2 31.5 94.5





#89

n-Butylbenzene

Concen: 21.20 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

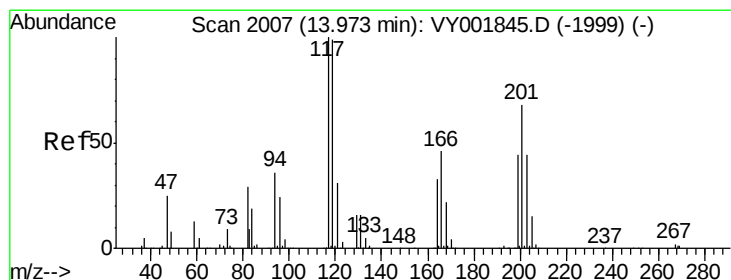
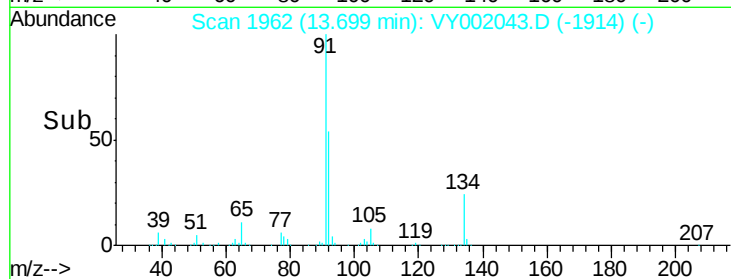
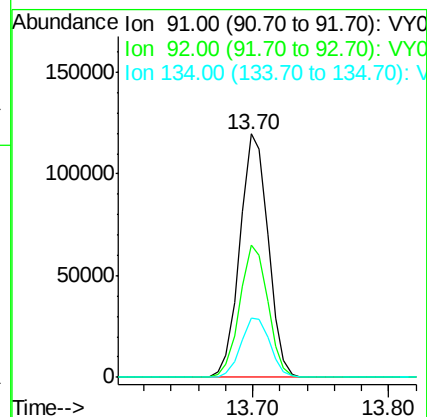
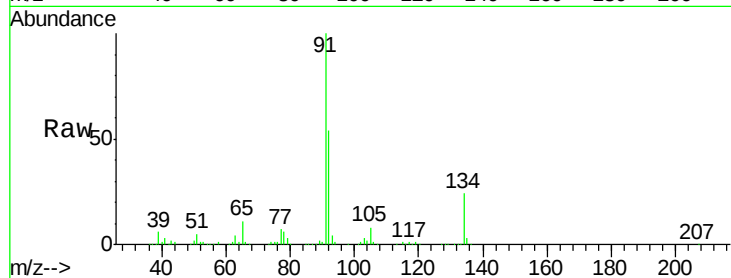
Tgt Ion: 91 Resp: 173429

Ion Ratio Lower Upper

91 100

92 53.8 27.5 82.4

134 24.9 12.5 37.5



#90

Hexachloroethane

Concen: 21.19 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY002043.D

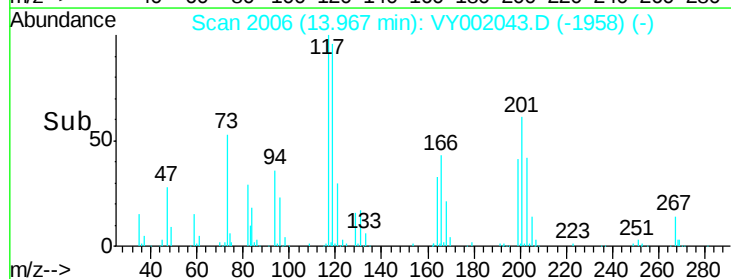
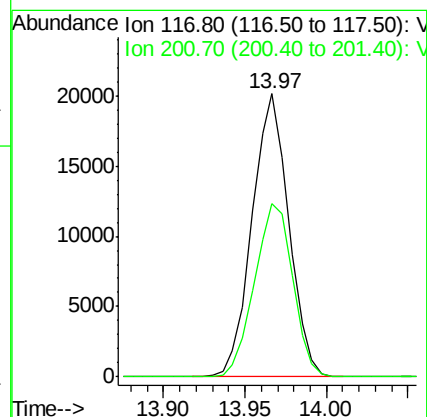
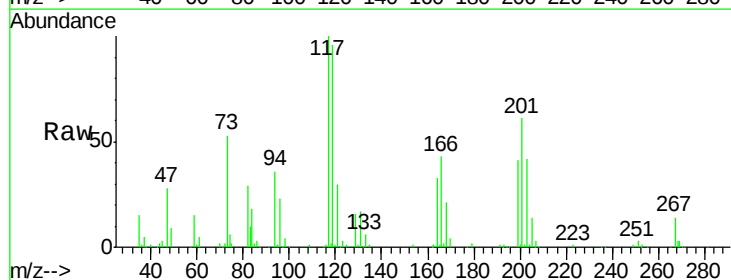
Acq: 24 Mar 2020 12:28

Tgt Ion: 117 Resp: 31509

Ion Ratio Lower Upper

117 100

201 63.8 32.5 97.5

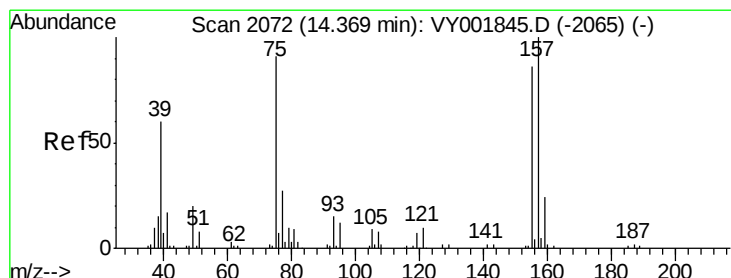
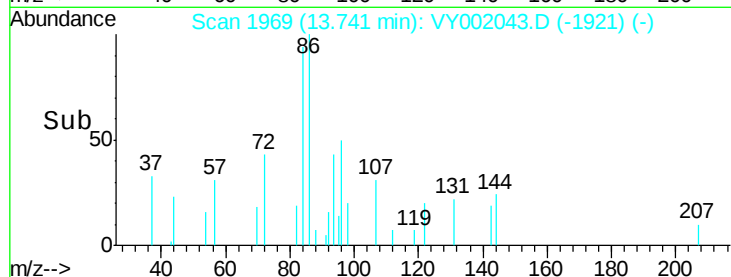
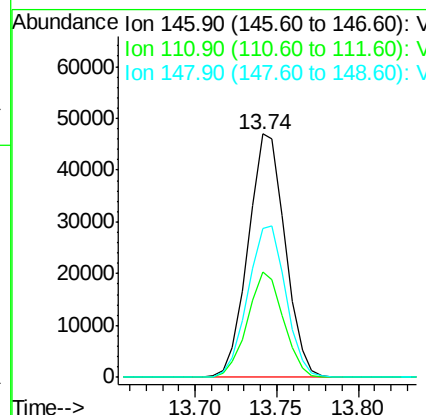
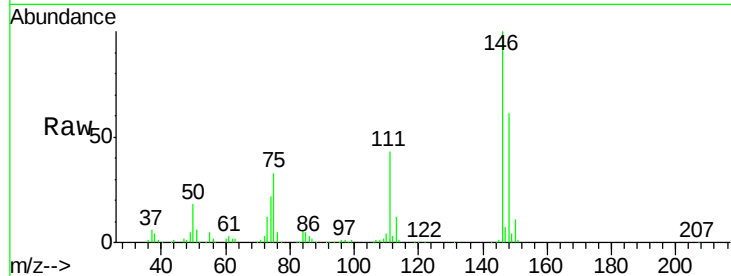




#91
 1,2-Dichlorobenzene
 Concen: 21.72 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

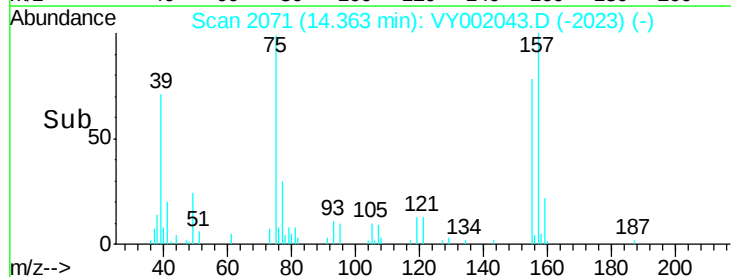
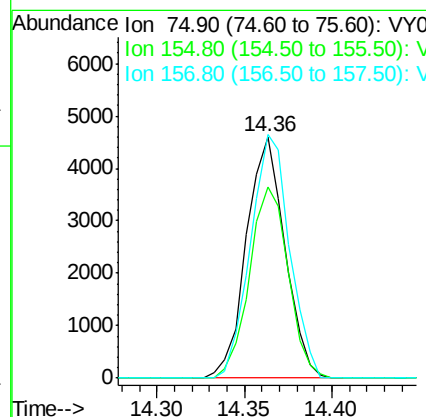
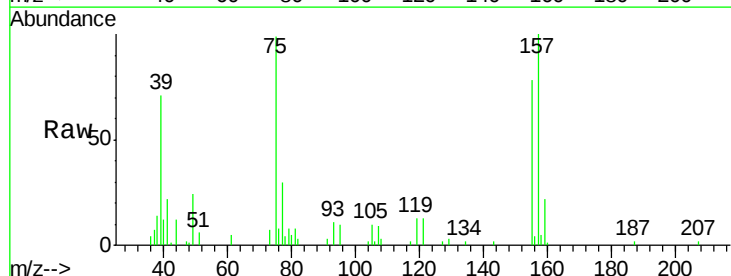
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

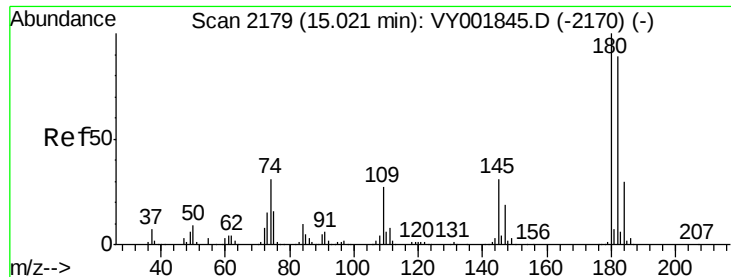
Tgt Ion: 146 Resp: 74286
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.5 64.5
 148 63.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.12 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion: 75 Resp: 7054
 Ion Ratio Lower Upper
 75 100
 155 79.3 42.9 128.7
 157 102.4 53.1 159.4

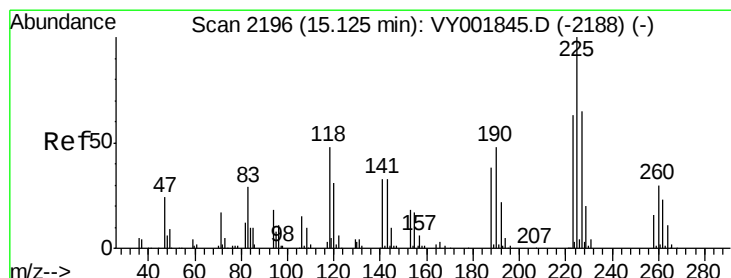
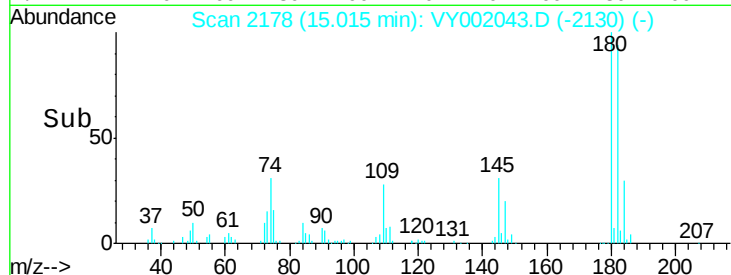
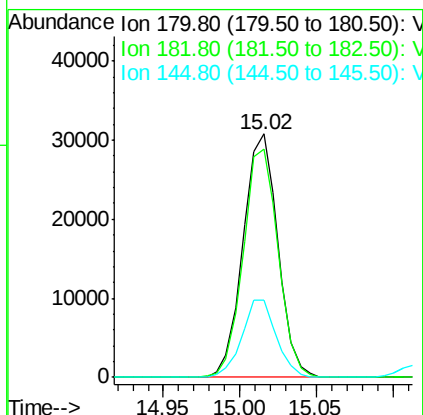
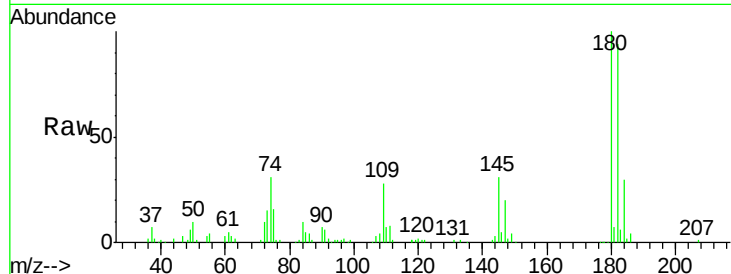




#93
 1,2,4-Trichlorobenzene
 Concen: 21.87 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

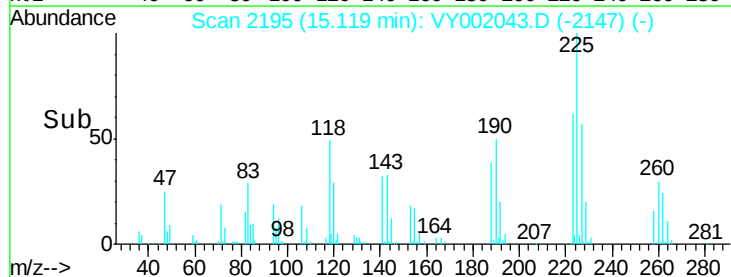
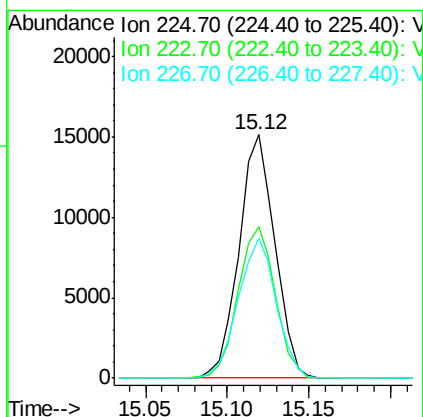
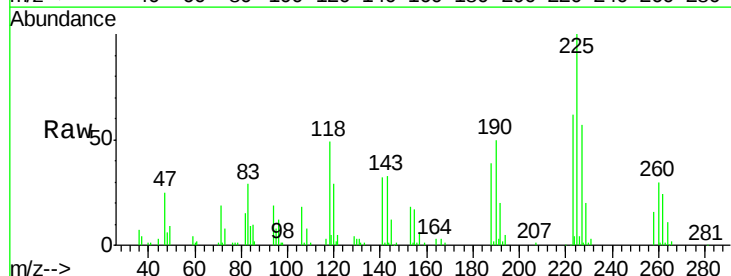
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

Tgt Ion:180 Resp: 48510
 Ion Ratio Lower Upper
 180 100
 182 94.4 46.1 138.3
 145 31.4 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY002043.D
 Acq: 24 Mar 2020 12:28

Tgt Ion:225 Resp: 23252
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.5 94.5
 227 60.4 31.9 95.5





#95

Naphthalene

Concen: 22.24 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0324SBS01

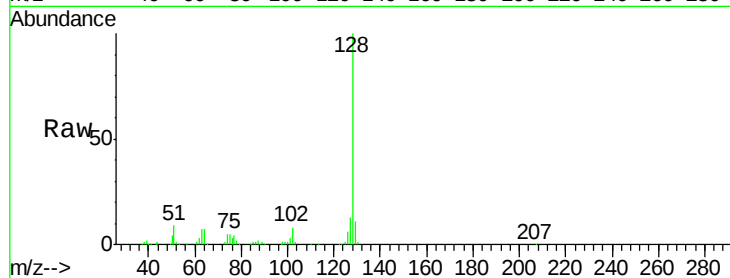
Tgt Ion:128 Resp: 116983

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

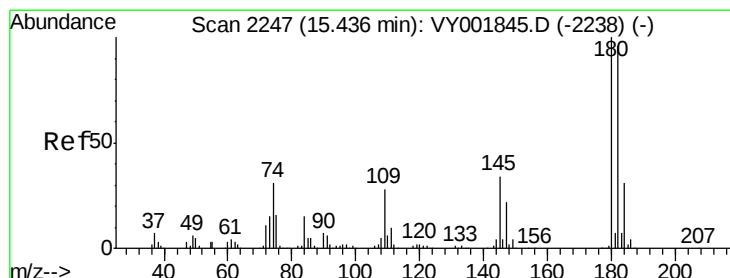
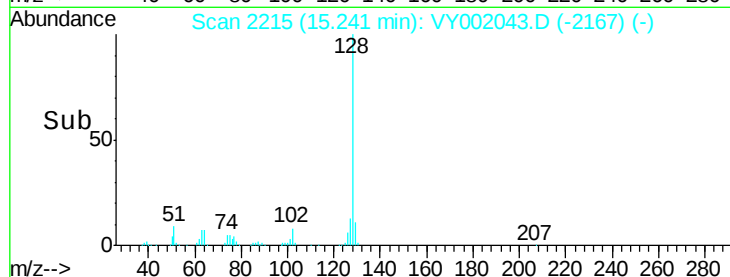
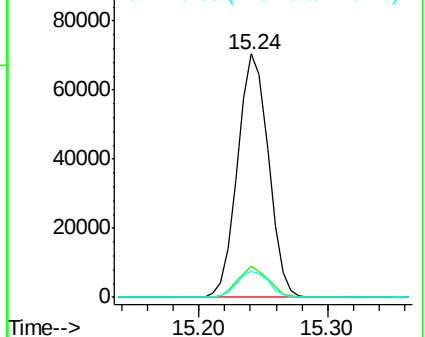
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.51 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY002043.D

Acq: 24 Mar 2020 12:28

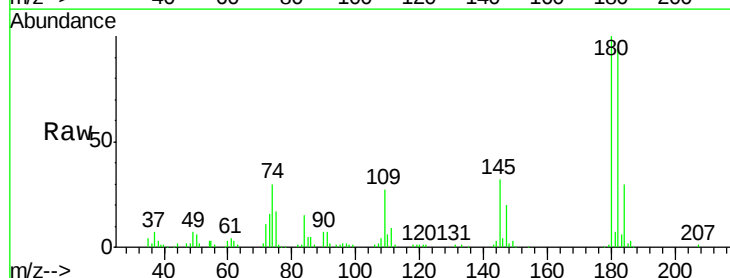
Tgt Ion:180 Resp: 43990

Ion Ratio Lower Upper

180 100

182 93.3 47.6 142.9

145 33.2 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

